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WALLACES' FARMER AND Iowa Homestead

Good Farming Clear Thinking Right Living

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If You Start To Farm Now

They'll Sell all spring pigs by December 1. Mr. and Mrs. Charles Best, of Carroll county, have just been farming a year. Turn to page 5 to see when other Iowa farmers plan to market hogs.

EVERY farmer has his problems. But the toughest of farm problems belong to the young folks who are starting to farm these days.

Farm land, livestock, equipment are all at a high level. Will corn and hog prices stay high long enough to let a fellow pay off?

Charles Best, of Carroll county, Iowa, has no land mortgage problems. He's renting. He took over a place which his father had operated before him.

Charles had a background of 4-H Club work. He's starting with three registered Milking Shorthorns, and hopes for a herd some day. He has purebred pigs, too.

Corn and oats are fine this year on the Best farm. It's a good start.

The Bests are lucky in that they didn't buy a farm at the peak. Maybe prices will stay good until they can can get squared away on stock and the necessary equipment. That's what they hope.

Young farmers today have the hardest problems any group has faced since the group which started out in 1919.

Some of those old-timers may be helpful to them now. At least, they could tell the youngsters what not to do.

What Iowa agriculture and corn belt agriculture amount to in the next twenty years will depend in great part on the young folks who started farming in 1946, 1947 and 1948.

How will they be doing in 1968?

Atomic Helpers For Farm . . . . Page 8
Where Will You Store Beans? . . Page 12

OCTOBER 2, 1948

IOWA'S LEADING FARM NEWSPAPER

For a FULL-TRACTION BITE . . . It's Firestone

LOW PRESSURE*
CHAMPION GROUND GRIPS
THE TIRES THAT—

OUTCLEAN No tractor tire can pull unless it cleans. Firestone Champions OUTpull because they OUTclean. The *full-traction tread bars* flare outward like the moldboard of a plow and channel the soil out as the tire rotates and flexes. There are no trash-catching "bar-stubs."

OUTPULL The real test of a tractor tire is how it pulls when the going is tough. You can depend on Firestone Champions to OUTpull because their traction bars are built higher for a deeper bite, longer for a bigger bite, Triple-Braced for a stronger bite, and connected at the center for a *full-traction bite*—all-the-way-across-the-tread.

OUTLAST Firestone Champions OUTlast because their Triple-Braced bars cannot wobble and wear, cannot punch their way through the cord body like unbraced bars. The higher, longer, stronger bars of the Champion ride smoother, last longer. It's easy to see why Champions continue to give *full-traction tread life* long after other tires have worn smooth.

THE ONLY TIRE MADE THAT TAKES A FULL-TRACTION BITE ALL THE WAY ACROSS THE TREAD

*RUNS ON ONLY 12 LBS. AIR PRESSURE

For a tire to give full traction, it needs not only a full tread, but also a tread that is in full contact with the ground. By maintaining air pressure at twelve pounds, Firestone lets the whole tread come down to earth. The Champion can run safely on such low air pressure because its stronger tire body makes overinflation for sidewall support unnecessary. You get surer footing, smoother going, longer *full-traction tread life.*

Listen to the Voice of Firestone every Monday evening over NBC

Copyright, 1948, The Firestone Tire & Rubber Co.

FOR MORE INFORMATION SEE YOUR FIRESTONE DEALER, FIRESTONE STORE OR IMPLEMENT DEALER

MOORMAN RESEARCH has one objective—to develop products that help animals to more efficiently convert home-grown *feeds* into human *foods*.

NOW MoorMan's brings you a NEW Vitamin—NIACIN —to help prevent nutritional enteritis!

NOW, to the 14 mineral ingredients in all MoorMan Hog Minerals has been added NIACIN, important anti-pellagra vitamin—to help prevent and overcome nutritional enteritis. Niacin deficiency also may result in slow growth, stiffness, scours, rough skin and more than the usual number of runts.

Thus, when you feed MoorMan's Special Hog Minerals, you *know* your hogs are getting in these *complete* minerals every mineral ingredient they are known to need for proper growth and development—*PLUS* protection from nutritional enteritis and other ailments caused by niacin deficiency.

***Nutritional* enteritis, sometimes called pig pellagra, and known to most farmers as one form of "necro," should not be confused with *infectious* enteritis. The value of NIACIN as a preventive and cure of *infectious* enteritis has not been established.**

MoorMan's Special Hog Minerals, with NIACIN added, are one of the greatest thrift bargains ever produced for the American farmer. Available in handy 50 lb. blocks for self-feeding—or powdered for mixing with feed *or* self-feeding—they are so highly concentrated, the average cost is only a dime per month per head. Ask your MoorMan Man for MoorMan's Special (complete) Hog Minerals for better hogs—lower feed cost per hundred pounds of gains. Or write Moorman Mfg. Co., Quincy, Ill., for full information.

NEW! This hog mineral block —like ALL MoorMan Hog Minerals—now contains all the NIACIN required to prevent nutritional enteritis, slow growth, scours, stiffness, rough skin and other ailments caused by niacin deficiency.

MoorMan's

Since 1885

CUSTOM-MADE MINERAL SUPPLEMENTS AND PROTEIN CONCENTRATES

—developed and proved on the world's largest mineral experiment farm.

Kraylets-fed barrow wins Grand Championship at Iowa State Fair!

Winner feeds **KRAYLETS**

80% milk products* in dry kernel form

— for a firm, smooth market finish!

Bob Faint of Hi View Farms, Eagle Grove, with his Grand-Champion barrow and award at the Iowa State Fair

"*The results speak for themselves*—we fitted our hogs for the major shows on Kraylets," says Bob Faint, Manager of the Hi View Farms where 450 purebred Berkshires are raised every year. Besides the Grand-Champion barrow over all breeds, the Hi View Farms had the Grand-Champion pen of all breeds, the reserve Grand-Champion Berkshire sow and the Senior Champion Berkshire boar at the 1948 Iowa State Fair.

Kraylets pays in thrifty gains at every stage! Economical, convenient, great appetite appeal!

Kraylets is the easy, economical way to feed valuable milk products. It's 80% milk products in handy dry kernel form—no water or waste! Highly concentrated, feed only ¼ pound per hog each day. Helps promote fast, thrifty gains, vigorous health, earlier market weight, and a firm market finish that buyers look for! Saves grain—helps produce more pork for every ton of feed!

**Kraylets contains 80% concentrated milk products!*

The milk products in Kraylets are cheese whey solids, cheese solids, and dried skim milk. The remaining 20% of the formula consists of soybean oil meal, alfalfa meal (dehydrated), dried brewers yeast, and edible beef tallow.

Find out about profit-boosting Kraylets now! See the Kraylets dealer in your community who displays the green and black sign. He'll be glad to help you fit Kraylets into your feeding program.

KRAFT FOODS COMPANY, Chicago 90, Illinois

Look for a KRAYLETS dealer in your community!

INSIDE STUFF

"HOW ON EARTH did that bill get thru?" I've been asked this by farmers and even by congressmen. The question is about the Commodity Credit charter that forbids CCC to buy more storage space.

▲ ▲

EVERYBODY can see that the law, as it stands, would get us into the worst kind of trouble in the summer of 1949.

▲ ▲

FARMERS will be delivering corn and wheat to CCC in satisfaction of the loan. But CCC—as the law stands—isn't allowed to build storage space to receive these commodities.

▲ ▲

SO WHEN Secretary Brannan was in Des Moines, I put the question up to him. He said: "The bill was sent to the wrong committee."

▲ ▲

HERE IS WHAT happened. The CCC bill went to the senate committee on agriculture. They handled it splendidly. But in the house, the bill went to the committee on banking and currency.

▲ ▲

JESSE WALCOTT, chairman of the committee on banking and currency, is usually hostile to farm legislation. He listened to grain trade objections. And the house committee wrote a bill satisfactory to the grain trade, not to farmers.

▲ ▲

THEN, in the conference committee, Walcott got part of his bill thru. So now CCC is handcuffed until the new congress acts.

▲ ▲

IN PENNSYLVANIA, recently, I heard a lot of gossip about the potato support program. Potato growers, I was told, were planning on heavy production next year. Present support prices make them good money.

▲ ▲

POTATO SUPPORTS are too high. And the method of supporting the price is bad. Consumers are getting soured on the whole farm program as a result.

▲ ▲

YOU HEAR the craziest talk on trains about farm wealth. On the Rock Island, out of Chicago for Des Moines, one man was saying:

▲ ▲

"THIS FELLOW owed $10,000 in 1940. Now he has 280 acres clear, and he can sell out tomorrow for $500 an acre."

▲ ▲

A LOT OF FOLKS seem to think every farmer has got rich in the last five years. And they also are sure that the government should quit "helping" the farmer.

GOVERNOR DEWEY'S statement on farm policy should probably be credited to Senator Aiken of Vermont and Congressman Hope of Kansas. Aiken and Hope know the farm problem.

▲ ▲

I TOLD RECENTLY of an 1100-mile trip on which I saw only three grain stacks. But Wm. B. Loetz, of the Dedham (Carroll county, Iowa) cooperative elevator, writes:

▲ ▲

"A BROTHER and his sisters, living on Highway 71, about three and a half miles northwest of here, have stacked their grain ever since I can recember. That is, since 1910. They are still doing it."

▲ ▲

I SAW an Italian movie, "To Live in Peace," the other day. The action took place on an Italian farm. And the farm people milked the cow from the wrong side—according to American practice.

▲ ▲

APPARENTLY, it is all in what the cow and the farmer are used to. Every country has its own customs. And what other people do seems as queer to us as what we do seems queer to them.

▲ ▲

DO YOU THINK "As Maine goes, so goes the nation." Then go out and bet on Truman. Because the Maine election indicates a Democratic victory.

▲ ▲

IN 1944, the Republican candidate for governor got 70 per cent of the vote; the Republican candidates for congress averaged 71 per cent of the vote.

▲ ▲

THIS YEAR, the Republicans got 66 per cent for governor and congressmen, altho the senatorial candidate got 71 per cent.

▲ ▲

SO, IF THE NATION follows Maine in 1948, as in 1944, Truman will win. But don't bet on it. As Dr. Louis H. Bean says (see his article on page 10), Lucas county, Iowa, may be a better guide to national sentiment than is Maine.

▲ ▲

SIGHTS WORTH seeing: A Minnesota lake at dusk, with a heron flying above the pines; Pennsylvania hills, with a full moon coming up over them; Iowa corn fields, with the ears hanging down and the yellow corn showing thru opening husks.

▲ ▲

AT OUR PLACE, the last planting of sweet corn is keeping us well fed right up to frost. There's nothing like the last sweet corn and the last batch of tomatoes.

DONALD R. MURPHY.

WALLACES' FARMER AND IOWA HOMESTEAD

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By January 1 most of Leonzo Berry's hogs will have been sent to market. Berry's farm is located in Linn county, Iowa. He thinks the hog price should hold up to $20-$23 when he sells.

Later Market will get the spring pigs now on the farm of Wayne Wright, in O'Brien county, Iowa. Wright figures that his pigs will be sold by March 1, and expects $20-$23.

When Your Hogs Go To Market

January Should Be the Peak Month, by Past Records, But Iowans Pick December

IN THE year after a short corn crop, hogs usually go to market late. You'd expect the peak of marketing to come in January of 1949. That's what happened in 1935, 1937 and 1941.

It may not happen this year.

A cross-section of Iowa farmers, interviewed in the Wallace-Homestead Poll, say they'll market two-thirds of their 1948 spring pigs before January 1.

Probably they won't do it. Many spring pigs came late. Some were brought along slowly on pasture and moderate rations. Lots had to wait for new corn before they could go on full-feed.

Hogs will have to be pushed hard from now on if two-thirds of the spring pig crop is sold by January 1.

Maybe they will be. Yet that didn't happen after the short crops of 1934, 1936 and 1940. In 1935, 1937 and 1941, marketing didn't reach its peak until the third week in January.

But why do Iowa farmers talk about pushing hogs for an early market? Why don't they plan to fill the hogs up on cheap corn and sell in late winter?

One reason is that Iowa farmers aren't too sure about hog prices. They are inclined to get their hogs moved while the price is still high.

To Iowa hog raisers, the future of hog prices looks good, but not as rosy as city people think. Over two-thirds of the farmers think prices this winter will range between $20 and $26.

But they seem to figure that something may happen to these prices by late winter or spring. More fall pigs are coming on. There may be a business recession. Oil prices are pushing lard prices down.

One farmer said: "If I don't get $30 for my hogs, I'll be in the hole, because I've bought all the corn to feed them." But he may sell in October, and thinks he has a chance.

A Woodbury county farmer said: "I think prices of hogs will go down to $20 at least. They're just too high now. Such prices can't last."

A Bremer county pessimist said: "We won't get more than $16. After election, everything is going to drop."

But a Tama county man gave a reason for selling after January 1. "I'll sell about February 1," he said. "Then they can't get me on 1948 income tax." Apparently, he thinks his 1949 income will be lower.

Altho many Iowa farmers would like to sell early, will they actually get their hogs to market that quick? Will the marketing peak come in December, instead of in January?

Most experts would doubt it. But if farmers get scared about 1949 hog prices, they could move hogs in to market fast. And the 1948 corn crop, which matured unusually early, is being fed liberally to hogs now.

If farmers aim at 225 pounds as marketing weight, and add minerals, vitamins and mixed proteins to their corn, they could get most of their hogs to market before the first of the year.

It may not happen. But Iowa farmers are certainly thinking about it.

A WALLACE-HOMESTEAD POLL

When'll You Sell?---What'll You Get?

"Check the date when you expect to have sold MOST (don't count tail-enders) of your 1948 spring pigs."

1—By November 1	19 pct.	4—By February 1	14 pct.
2—By December 1	24 pct.	5—By March 1	8 pct.
3—By January 1	29 pct.	6—By April 1	2 pct.
Later	4 pct.		

"What kind of price do you think you'll get for MOST of your 1948 spring pigs?"

1—$16 to $19	13 pct.	3—$24 to $26	30 pct.
2—$20 to $23	42 pct.	4—$27 to $30	14 pct.
Over $30	1 pct.		

Editorials

How Many Spring Pigs Next Year?

IF YOU do what Uncle Sam says, you'll raise 17 per cent more spring pigs in 1949 than you did in 1948. That would put pork supplies 'way above pre-war in the winter of 1949-50.

Farmers likely will raise more spring pigs. But the number depends—not on government advice—but on the corn-hog ratio.

By breeding-time this fall, corn may be around $1.30, while hogs may be $25 a hundred or more. That makes hog feeding look good.

But the real question is: What will corn and hogs be worth in the fall of 1949?

That's what the farmer wants to know before he decides how many sows to save for spring litters.

If the corn loan stays the same, corn might be worth $1.30 or so in the fall of 1949. If hogs are produced in large numbers, hogs might be down to the support price of $16.40. And there is some doubt as to whether present methods will really make support prices on hogs do the job.

So a farmer might wonder whether $1.30 corn or $16.40 hogs would make him the most money.

All the same, most farmers will see that a lot of sows and gilts are bred for spring litters. But the early crop is the safest.

What's Coming?

Young farm people, just starting out, are bound to wonder what kind of economic weather is on the way. Mr. and Mrs. Charles Best, Carroll county, Iowa (another picture of them is on the cover), probably would like to know.

Congress, Not President, May Decide This

GOVERNOR Dewey and President Truman have both come out strongly in favor of supports for farm prices. That is good news.

The campaign against support prices was getting a lot of backing, especially in Republican circles in the east.

But farmers should not think that the battle is over. A congress which aims at pleasing consumers may carry more weight than a president pledged to farm price supports.

No matter who wins in November, the next congress will see a struggle over the farm program.

Some features of the present farm law are wrong. Present scheme of potato supports is a good example.

No farmer can afford to back the present farm law 100 per cent. It needs to be changed. It needs to be improved. As a matter of fact, the best chance for keeping really sound farm legislation is to get the bugs out of the present law in a hurry.

Before the new congress meets, farm groups should decide on these points:

1. How to give the consumer a better break under the farm support law.

2. How to prevent surpluses piling up under the new law

3. How to turn some farm energy toward soil conservation and away from production of surpluses.

It's a help to have both Dewey and Truman on record on the farm side. But that isn't nearly enough.

Farmers still have plenty to do.

Are You Un-American?

Churches Hit Communism, Uncontrolled Capitalism

HAVE you ever heard a spell-binder say to a crowd: "You must choose A or B. If you choose A, you'll be ruined. If you choose B, you'll be saved."

Every farmer knows life isn't that simple. In many cases, you have a choice—not between A and B, but among A, B, C, D, E, F, etc.

No sensible person says to you, in corn planting time: "If you plant Seed Corn A, you'll get a wonderful crop. If you don't, you won't raise anything."

Actually, the kind of seed corn makes a difference. But so does the way the ground is handled, the fertilizer used, the cultivation, the weather, etc.

All thru the season, a farmer is making a series of choices—on seed corn, on fertilizer, on when to cultivate.

Politics and social problems are even more complicated than corn growing.

TODAY, you hear a lot of folks saying: "You must either be a Communist or a Capitalist. Make up your mind."

That's the Communist line. Unless you agree with everything in Communism, out you go into outer darkness.

That is also the line of some folks in the western world. Unless you denounce every idea that a Communist has approved, unless you accept uncontrolled Capitalism in full, you are numbered with the enemy.

Most folks in the world aren't in either camp. And shouldn't be. That's what the World Council of Churches said recently in Amsterdam.

The council declared:

"The Christian church rejects the ideologies of both Communism and uncontrolled Capitalism, and should seek to draw men away from the false assumption that these are the only alternatives. Each has made promises which it could not redeem.

"COMMUNISTIC ideology puts emphasis upon economic justice and promises freedom will come automatically after completion of the revolution.

"Capitalism puts emphasis upon freedom, and promises justice will follow as a by-product of free enterprise. That, too, is an ideology which has been proved false.

"It is the responsibility of Christians to seek new creative solutions which never allow either justice or freedom to destroy the other. . . ."

This pronouncement of the World Council of Churches is in line with American history.

The tariff, the Homestead Act, the system of roads and post offices, are all separate ways in which the nation has stepped in to modify Capitalism.

NATIONALLY, we have made it clear that there was not one choice between Communism and uncontrolled Capitalism, but a hundred choices.

This free choice, among a hundred possibilities, is real 100 per cent Americanism.

Loans Will Support Soy Prices Now

YOUR soybeans may have price support trouble this fall. Last year, if the processors and the elevator men paid the farmer the support price, the government agreed to take the beans off their hands if necessary. That's over.

This year, soybeans are being handled like corn. You can store them on the farm and get a loan (at $2.18 a bushel for No. 2 with 14 per cent moisture) or you can sign a purchase agreement. This purchase agreement means that the government, at the end of the loan period, will buy your beans at the support price. Plus 7 cents per bushel for storage.

You can also store beans in an elevator or warehouse, get a warehouse certificate, and borrow on that.

The main point for farmers to remember is that the soybean support plan is now just like that for corn. And soybean prices can drop below the loan level for a while if too many beans go to market.

Be Sure To Attend Corn-Crib Days

IF YOU don't have plenty of corn crib space for all your corn, be sure to attend one of the PMA corn-crib shows in Iowa. Still to come are the shows at Spencer, Oct. 5, and at Clarion, Oct. 7.

Whatever you need in the way of permanent cribs, material for temporary cribs, etc., be sure to get your order in to your dealer at once.

John Evvard, Feeding Genius, Is Dead

JOHN M. Evvard, formerly in charge of feeding experiments at Iowa State College, died recently in Arizona at the age of 63. He moved to Arizona from Iowa on account of his health some years ago.

Iowa farmers owe a lot to Evvard. Older men will remember him with admiration and pleasure.

He had the gift of looking ahead in experimental work. And the gift of dramatizing his results.

When John was planning an experiment the results of which would be announced a year later, he always seemed to think: "Now, will this kind of experiment really mean much to farmers then? Let's pick something that will be timely when we release it."

Evvard's work on self-feeding hogs was, of course, a land-mark in feeding methods. But perhaps his main work was to get more farmers interested in scientific feeding, and in experiments to find out what was best.

John Evvard left his mark on Iowa farming. Every one—including youngsters who never heard of him—do better farming because of his work.

What'll You Do For Hay Next Year?

MANY fields of alfalfa and clover were killed out last winter. New seedings this summer had hard luck, too. Grasshoppers got some of them. The hot spell burned out others.

Corn belt farmers need to make a special effort to get more land seeded down next year. And to use lime, fertilizer, and farming methods that will give the new stand a better chance.

Wallaces' Farmer and Iowa Homestead would like to hear from farmers who are making special plans to increase legume acreage next year.

Odds *and* Ends

NOBODY lost much sleep over frost damage this year, anyway. Did you ever see corn dry this early?

FARMS to rent are scarce this year in some sections. Some farmers have cut down on livestock, used new farm equipment on more acres to raise crops.

LIVESTOCK may be worth more than crops for the next few years. Farmers who have dropped livestock to expand crop production may have made the wrong choice.

ECCLES, of the Federal Reserve Board, says that a crash in prices is bound to come. If we had taken proper steps a year ago, it might have been headed off. But now, he says, it's too late.

FARMERS with a good supply of U. S. Savings Bonds will worry less than others about price drops. Buy more bonds when you sell your next load of hogs.

CONSUMERS are being told that they can look for lower poultry and egg prices in late winter, lower hog prices in late 1949, and lower beef prices and milk prices some time later than that.

FALL pigs are coming earlier than usual in Iowa. That may mean more competition for spring pigs that go to market in late winter.

MILK cow numbers on the average farm are the smallest since 1938. Looks like a good time to hang on to promising heifers.

IF FARMERS could get all the cement they wanted, many barnyards would be paved this fall. Nobody likes mud.

WHEN exports slack off, farmers will be producing 25 per cent more food per person than in pre-war and 18 per cent more than in war-time. Folks will have to eat hearty.

FARM land values are now 2 per cent above the 1920 peak. Remember how we used to say that should never happen again? Iowa isn't quite that bad, tho. The burned child stays a little farther away from the fire.

BROILER factories in the east are now stocking up on baby chicks, will produce a lot of winter broilers. Farmers who followed advice of Wallaces' Farmer and Iowa Homestead, and raised more chickens this season, will be in a good spot this winter.

BUTTER stocks are getting larger. In spite of fewer cows, milk production is holding up. Some price weakness in the dairy field may develop later on.

REAL farm income dropped in 1947. What farmers could buy with their incomes, after allowing for expenses, taxes, etc., was 6 per cent less than in 1946.

IN 1948—first eight months—cash farm income was up 4 per cent over 1947. But cost of producing crops rose 14 per cent. These are estimates of the Bureau of Agricultural Economics.

SOME Republican leaders report that they are convinced deflation is coming sometime in the next four years. They wonder if it might not pay to have it come early. Then folks might forget about a "Republican depression" by 1952.

WHENEVER deflation or depression or recession should arrive, it will be the product of the war rather than of either political party. But the party in power when depression hits will still get some of the blame.

A VISITOR tells us: "Iowa farmers don't fuss enough about hog rations. They should work harder to be sure that hogs get vitamins, minerals, other special supplements, as well as mixed protein and corn."

IOWA hog farmers do a pretty good job. No doubt they could do better. Are your pigs getting all the different kinds of feed they need to grow fast, to keep healthy, to make cheap gains?

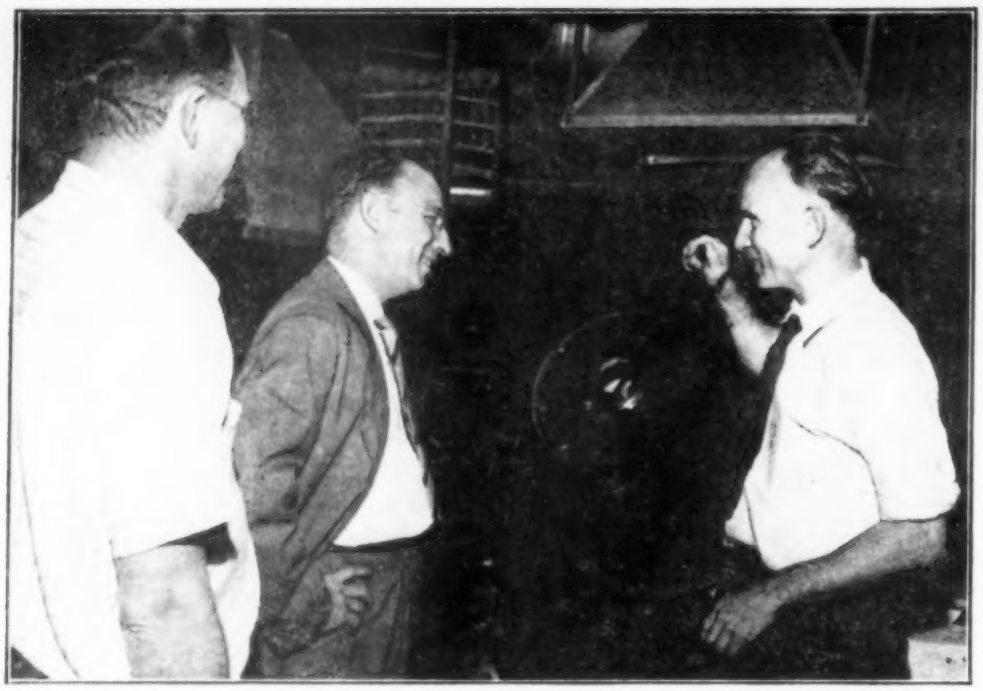
AS YOU remember, Wallaces' Farmer and Iowa Homestead has kept talking, since last November, about chances that the feed-livestock situation would reverse itself. We urged liberal livestock production in 1948.

NOW what happens in 1949? Should farmers raise a lot more spring pigs next year? That's going to be a harder question. Fortunately, nobody has to answer it until November.

Song of the Lazy Farmer

EACH fall, as well as in the spring, Mirandy cleans up ev'rything; she tears the whole blame house apart, then scrubs and sweeps with all her heart. This year, as always, she told me I'd have to help her out, by gee; she routed me from out my bed and put a dust-cap on my head. An apron went around my waist and I was ordered to make haste and dust the tables and the chairs, then scrub and polish up the stairs. The rugs I was supposed to beat, and wash the windows all up neat; I even had to tour the place and dump pipe ashes from each vase.

But I had barely started out before I heard Mirandy shout, she came at me armed with a broom and I retreated from the room: I couldn't reason with my spouse until she'd run me from the house. I don't know why she's mad at me and I ain't goin' back to see. I beat the rugs upon the floors, why waste time takin' them outdoors; and then, of course, I used my head and swept the dirt beneath the bed. I figured it was smart and fair to cut a corner here and there; of course, it is all right with me if she don't want efficiency.



Radioactive phosphorus isotopes are mixed with regular fertilizer so scientists can "trace" the way crops use plant food. USDA Chemist S. B. Hendricks (right) does the mixing at department's Beltsville, Md., laboratory as Iowa's Senator Bourke B. Hickenlooper (center) looks on. At left is Dr. Lyman Dean, department soil scientist.

Atomic Farm Helpers

Radioactive Isotopes Give Scientists New Farm Research Tool

By **B. B. HICKENLOOPER**

WHAT happens to fertilizers after you put them on your soil? Thanks to atomic energy, that question is now being answered.

Surprising as it may seem, we're solving this and other farm problems by the use of tools developed by scientists when they learned to make the atomic bomb.

All over the country, scientists at agricultural colleges and research centers are using atomic energy by-products to learn new things about soils, crops and livestock. They've uncovered facts that give a new slant on some present practices.

Most farm research with atomic energy involves the use of radioactive isotopes as tracers in studies of plants and animals.

These isotopes are simply radioactive forms of some of the common elements, such as phosphorus, calcium and sulphur.

Crops and livestock can use radioactive isotopes in exactly the same way they use natural, or non-radioactive, elements. But the isotopes have one big advantage for farm scientists: They give off electronic particles, or rays, which can be measured with delicate instruments.

That means that radioactive isotopes can be traced in living matter. For example, if a radioactive isotope is mixed with fertilizer applied to crops, its movement thru roots, stems and leaves is given away by the energy, or "signal," it radiates.

That's why radioactive isotopes often are called "tagged" atoms.

As far back as 1932, scientists learned how to make radioactive isotopes in huge machines called cyclotrons. But this method is slow and very costly. A quantity of radioactive carbon which now can be bought from the atomic energy plant at Oak Ridge, Tenn., for $50, costs about $1,000,000 and a year's time when produced in a cyclotron.

Because radioactive isotopes are easy to make in the atomic pile, or furnace, at Oak Ridge, research workers now are able to make practical use of these tools in studies of animal and plant life.

During the past year, many colleges and experiment stations have obtained radioactive isotopes from Oak Ridge. With them, a great many experiments are under way. Some of these have merely scratched the surface of important discoveries. But others already have dug up information of value to every farmer.

For more than a year, the United States Department of Agriculture, in cooperation with several state experiment stations, has been using radioactive phosphorus to learn how crops use this important plant food. As a result, farm scientists have become much better acquainted with phosphate fertilizers.

Right here, it should be pointed out that radioactive isotopes are not added to fertilizer to make it richer. The only purpose of the isotopes, in most experiments, is simply to provide the "signals" thru which the plant food can be traced. Whether the isotopes themselves boost plant growth still is unknown.

In the past, it hasn't been possible to determine whether fertilized crops got most of their phosphorus from the soil's natural supply, or whether they got it from the fertilizer.

Now, thru tests with corn, cotton, tobacco and potatoes, we've discovered that each crop uses fertilizer in a different way. Potatoes, for instance, will use phosphate from fertilizer thruout their growing season. But corn depends upon the added plant food mostly in the early stages of its growth. Later, its big root system feeds more on the natural phosphorus in the soil.

One test, for instance, showed that young corn plants got 65 per cent of the phosphorus they needed from fertilizer. The other 35 per cent came from the phosphorus already in the soil.

But, at the roasting ear stage, the same corn took less than 20 per cent of its phosphorus from the applied fertilizer. Eighty per cent came from the soil's native supply.

Tests such as this have shown that the value of using phosphate fertilizer depends upon the kind of crop you're growing, the amount of phosphate already in the soil, how much fertilizer you use, and the way you apply it.

It will not be long until the soil scientists will be able to tell you how to use commercial fertilizers most efficiently. In areas such as Iowa, where continued cropping of the land has made the use of commercial fertilizers more and more necessary, this information will save the farmers a great deal of time and money.

The importance of this saving can be seen when you look at the farmer's fertilizer bill: In Iowa alone, we spent nearly 10.5 million dollars for 230,000 tons of fertilizer in the year ending June 30, 1947.

The country as a whole spent almost 758 million dollars for 17 million tons in the same period. And these amounts will increase greatly in the future.

Radioactive phosphorus also is being used to check the efficiency of phosphates from different parts of the United States. The idea here is to see whether it

THE AUTHOR

The use of by-products of atomic energy in farm research is a familiar story to the author of this article, Iowa's Senator Bourke B. Hickenlooper.

Senator Hickenlooper has been closely connected with the developments in atomic energy since the end of the war. He led the campaign in congress to set up the Atomic Energy Commission, the civilian agency which now directs our atomic project. Another Iowan, W. W. Waymack, is a member of this commission.

Senator Hickenlooper is chairman of the joint congressional committee on atomic energy.

"Tagged" Atoms Point Way To Better Use of Fertilizers

will be possible to cut down shipping costs.

Other experiments are showing where fertilizer should be placed to do the most good, and how different crop varieties respond when phosphate is applied.

In Iowa, tests with five varieties of hybrid corn are being made near Fort Dodge and Clarion. The purpose is to find out where corn wants its superphosphate placed, and to see how the various hybrids respond to phosphate fertilizing.

Still another Iowa experiment is using radioactive fertilizer to learn where oats and clover get their phosphate. Radioactive isotopes also were used this year in fertilizer tests made on 12 different crops in Colorado, Georgia, New York and North Carolina.

The tests are being made on soils which best represent the 2,000 soil types found in the United States. In Iowa, for instance, experiments are being conducted on Clarion loam of various degrees of available phosphate.

The research with radioactive isotopes in Iowa is directed by Dr. W. H. Pierre, head of the agronomy department at Iowa State College. Working with him are Dr. C. A. Black and Dr. L. B. Nelson, of the college, and Dr. George Stanford, of the United States Department of Agriculture.

The use of radioactive tracers in farm research is not being limited to the making of fertilizer tests. Other studies are probing the secrets of plant and animal life.

At the University of California, radioactive carbon is being used to study the chemical changes by which plant cells change sunlight, water and plant food into energy. Such research is needed to give us a better understanding of the way in which organic compounds, such as sugars, starches and cellulose, are broken down in growing plants.

Cornell University is using radioactive calcium to study the efficiency of various methods of liming soils.

The effects of small amounts of "trace" minerals, such as copper and cobalt, on pasture growth, and cattle grazing on the pasture, are being studied at the University of Florida.

These are only a few of the different ways in which farm research workers are using atomic energy and its by-products to solve agricultural riddles. Atomic energy and its by-products have pushed back the barriers of darkness as far as research is concerned. As a result, the future should bring an amazing amount of new information.

Without our atomic energy project, many experiments would have been out of the question. To make the same tests without radioactive isotopes would require equipment that would be too elaborate and expensive for the average experiment station. Now we can make low-cost experiments, which once were only wishful thinking.

An inexpensive supply of atomic energy materials has helped research workers in another way, too. It used to be necessary actually to destroy the plants or animals being studied, in order to get all the facts from any experiment.

With radioactive isotopes, tests can be made without causing injury to crops or livestock. Thus, living things which are being studied are left intact for further observations.

In the fertilizer experiments about which we've been talking, radioactive isotopes have not been added to fertilizers to make them more powerful. The only purpose has been to use the "tagged" or tracer qualities of the isotopes to see how crops use plant food.

But does radioactivity itself affect the growth of plants? There have been many conflicting and confusing reports on this point. So far, none of them have been proved.

Now, the Atomic Energy Commission, thru a grant made to the Department of Agriculture, is seeking an answer to the question of whether radioactive materials have a direct influence on the growth of plants.

1 How Corn uses fertilizer is studied by applying "tagged" phosphorus atoms. Weighed portions of radioactive phosphorus are taken to field in fruit jars.

Thirty crop stimulation experiments, with 20 crops, are under way in 14 states.

Until all of these tests are completed, and the data carefully studied, the Atomic Energy Commission and the Department of Agriculture will not make public any of the results. Meanwhile, don't take it for granted that atomic stimulants can be used greatly to increase the world's food supply.

The value of radioactive materials must be proved before they can be used, not just as "tracers," but as fertilizers themselves.

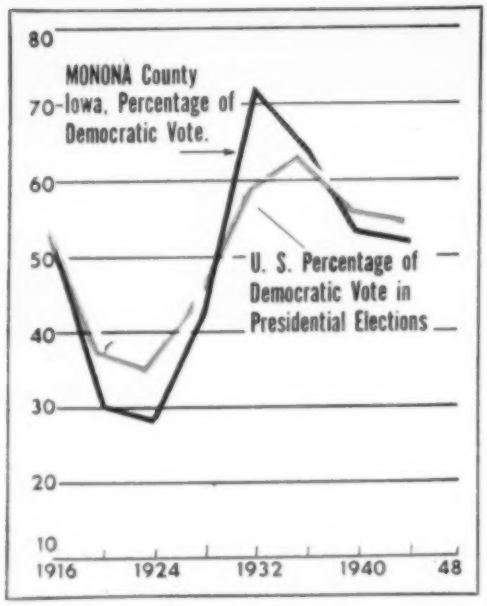
Undoubtedly, much of the agricultural research using atomic energy materials will be of value to the whole world. Perhaps some way will be found to overcome the lack of phosphate fertilizers in such countries as India and China, where a poor farm economy means low living standards.

Perhaps atomic energy will help the agricultural scientists to find a way to reduce the old problem of hunger—which has caused more destruction, war, disease and unhappiness than any other single thing.

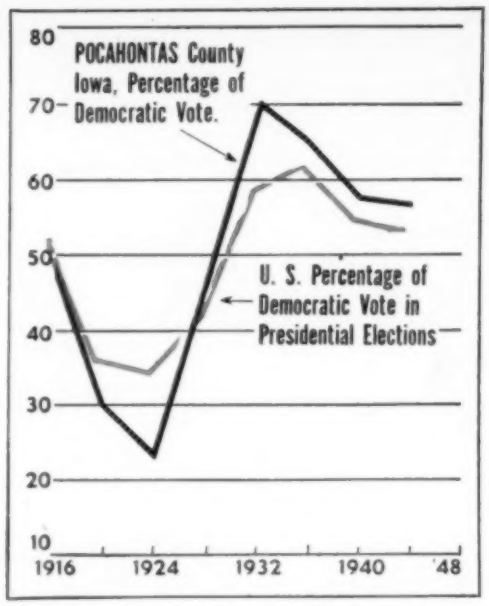
If atomic energy does this, then we can honestly feel that, in spite of its terrible destructive qualities, it is a boon to mankind thru its better nature.

2 "Tagged" phosphorus fertilizer is placed on endless belt in the hopper of fertilizer distributor thru a metal tube. The scientist at left is checking the radiation hazard with safety meter.

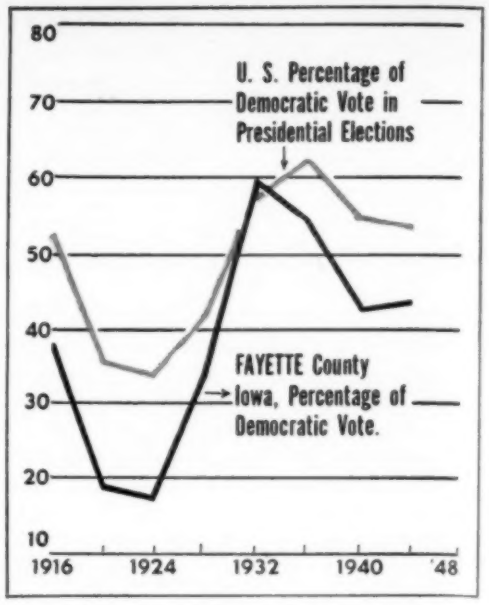
3 Fertilizer with which radioactive, or "tagged," phosphorus has been mixed is applied to corn ground in Department of Agriculture tests. Machine is a tractor-drawn planter-distributor.



Monona county voted 51 per cent Democratic in 1944, while U. S. voted 54 per cent Democratic. Add 3 points to Monona's 1948 percentage to get national percentage.



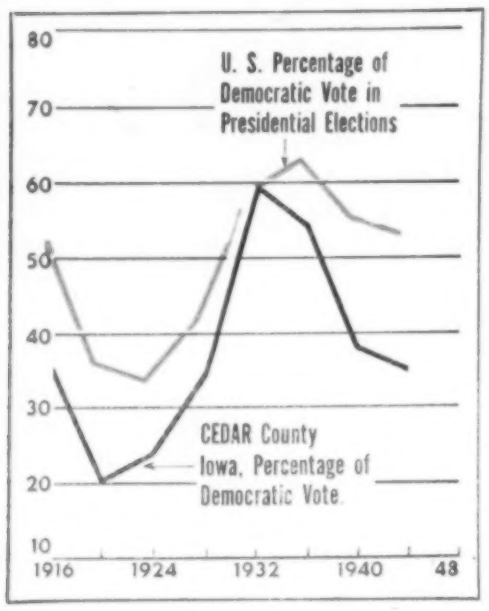
Pocahontas county voted 58 per cent Democratic in 1944, while U. S. was only 54 per cent. If Pocahontas dropped to 50 per cent, the national vote might drop to 46.



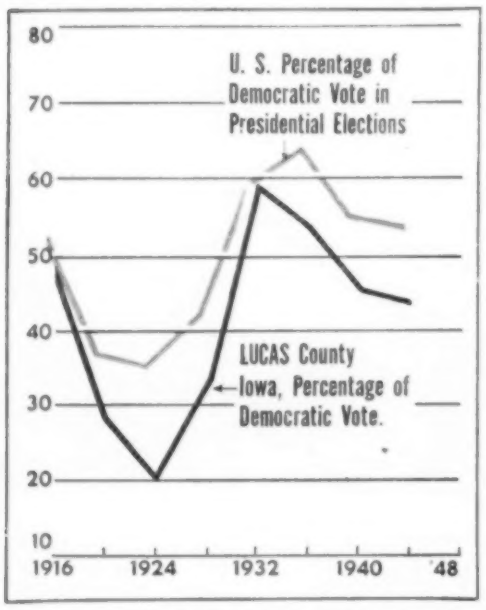
Fayette county is usually Republican. In 1944, it was 44 per cent Democratic, while the nation was 54. If Fayette showed 40 per cent this year, what would that indicate?

As Your County Goes--- So Goes The Nation

By Louis H. Bean



Cedar county, like Fayette, goes Democratic only in hard times. In 1944, Cedar county was 36 per cent Democratic, or 18 points under the figure for the United States.



Lucas county is the one to watch. In 1936, 1940 and 1944, Lucas county votes paralleled the U. S. Democratic vote—just 9 or 10 points under—and close to Iowa vote, too.

Dr. Louis H. Bean, author of "How to Predict Elections" (Knopf), has proved that Iowa is a better weathervane on elections than Maine. Now, in this article, he shows the relation of the vote in several Iowa counties to the national vote.

YOU Iowa farmers are not surprised that the price you get for your corn and hogs at the local market goes up and down with the prices quoted in the central markets.

Yet have you ever stopped to think that in politics there is a similar relation between the local and national rise and fall in Democratic or Republican sentiment?

The political tide is nation-wide. It is therefore possible to say that as Iowa goes, so goes the nation; as Pennsylvania goes, so goes the nation; as Illinois goes, so goes the nation.

Iowa traditionally votes several points less Democratic than the nation. But the percentage proportion of votes in the Democratic or Republican column in Iowa rises and falls with the national proportions.

Look at the chart in the lower right-hand corner of this page. The nation voted 52 per cent Democratic in 1916; 35 in 1924; 62 in 1936, and 54 in 1944. The Democratic vote in Iowa followed the same pattern. But, except in 1932, there were relatively fewer Democrats in Iowa than in the country as a whole.

You could have foretold the results of the last three presidential elections if you had sized up the Democratic strength in Iowa and then added 6 to 8 points.

Now, I want to go beyond the statement "As Iowa goes, so goes the nation." I can show Iowa farmers that "As your county goes, so goes the nation."

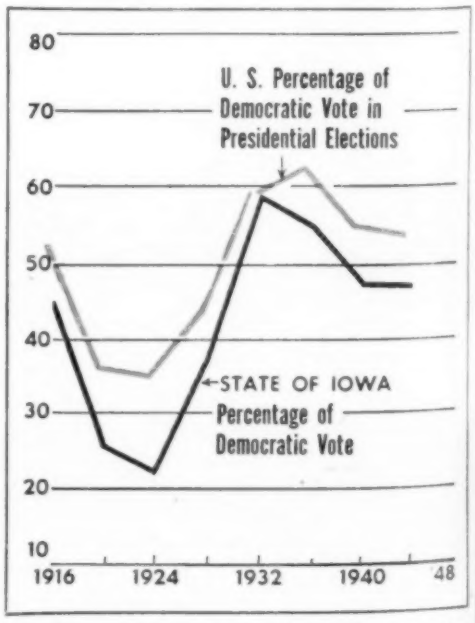
For that purpose, I have selected five counties—each with a heavy farm vote. Their voting records from 1916 to 1944 are shown in the charts.

Fayette and Cedar are the most Republican of these. Pocahontas and Monona are the most Democratic. Yet all five go go up and down with the national tide.

Since 1936, voting in the five counties has roughly paralleled voting in Iowa and the nation. But Pocahontas remained more Democratic than the nation, while Cedar turned much more Republican.

In all of the eight election years, these counties (representing only 3½ per cent of the total Iowa vote) have been, as a group, an excellent barometer of the political sentiment in Iowa.

As a rule, the average Democratic sentiment in these five rural counties comes within about one percentage point of the average of all the 99 counties in Iowa.



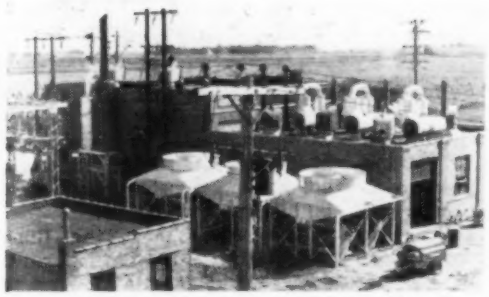
As Iowa goes, so goes the nation. In the last three elections, Iowa has been 6 or 7 points under the national Democratic figure. If Iowa goes 40 per cent Democratic this year, it is probable that the nation as a whole would go 46 or 47 per cent Democratic.

"BUILDING to meet the growing demand for FARM POWER!"

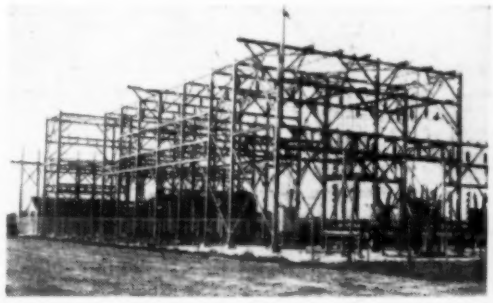
The Electric Companies of Iowa Are Investing $80,000,000 To Meet the Growing Demand for Farm and Industrial Power

• All over Iowa construction crews are racing to complete the vast $80,352,876 power expansion program which will bring 375,000 additional horsepower to Iowa farms, homes and factories. Throughout Iowa great new steam stations are being built where water is available and present stations are being expanded. At strategic locations, diesel electric stations are being added for stand-by and peak load service. These stations are being inter-connected with a vast network of high voltage transmission lines, so that during emergencies or periods of extra heavy loads, power may be exchanged between neighboring companies.

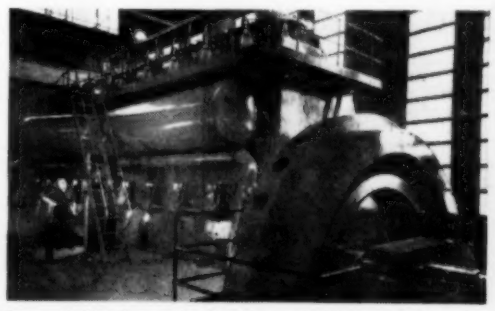
All this is being done to assure a continued and dependable source of electric power by the companies that supply 90 per cent of Iowa's electricity. It's a big job but it's being done!



This enlarged generating station and three new 1600 H.P. generating units represent an investment of about $600,000 at Storm Lake.



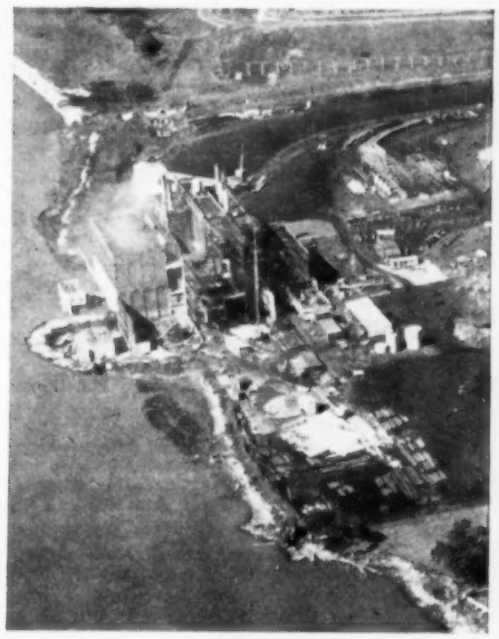
Typical of many such installations throughout the state is this distribution sub-station just completed to provide better service at Burlington.



One of the largest diesel generating units in the United States is this 7200 horsepower engine recently placed in service at Marshalltown.

Completed and placed in service in September is this new 25,000 HP steam station on the banks of the Mississippi at Lansing, Iowa.

A new 161,000 volt transmission line now runs from Davenport to Des Moines and then to Kansas City. This structure is near West Liberty.



To meet growing power needs in southeastern Iowa, a 47,000 HP addition is being constructed to the power station at Bettendorf.

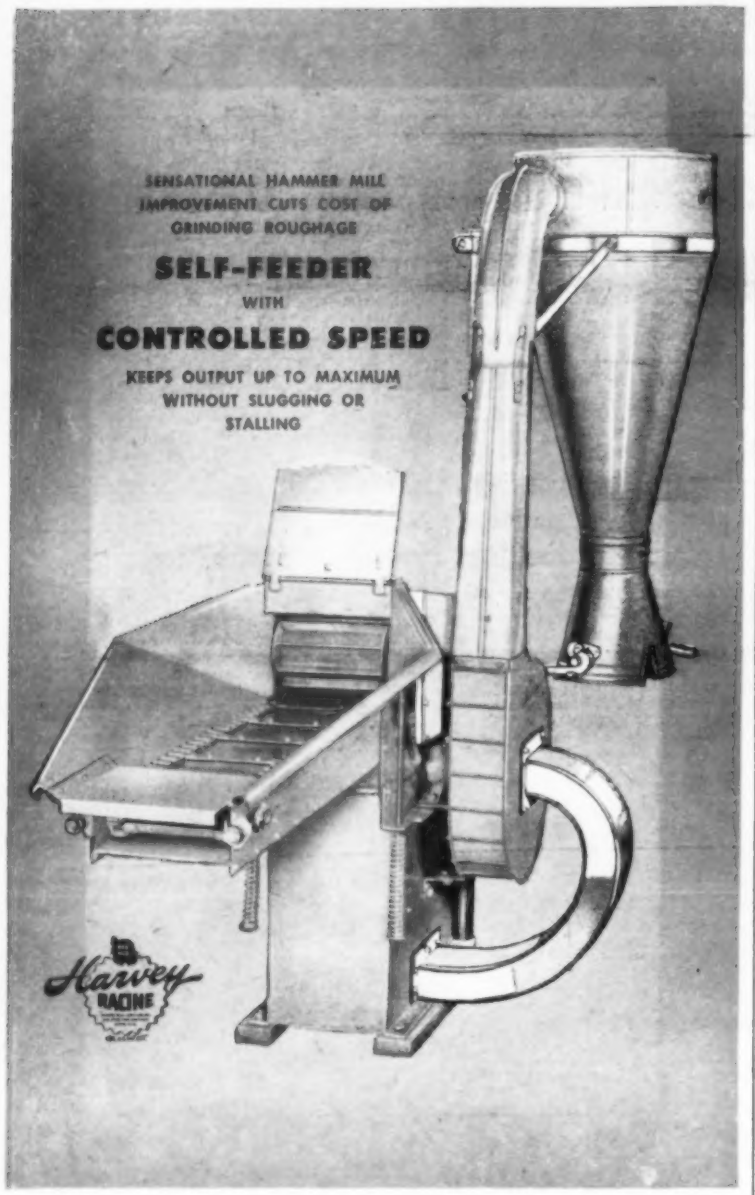
A TIMELY MESSAGE FROM

THE ELECTRIC COMPANIES OF IOWA

PIONEERS IN RURAL ELECTRIFICATION

CENTRAL STATES ELECTRIC CO.
PEOPLES GAS & ELECTRIC CO.
INTERSTATE POWER COMPANY
IOWA ELECTRIC COMPANY
IOWA ELECTRIC LIGHT & POWER COMPANY
IOWA-ILLINOIS GAS AND ELECTRIC COMPANY
IOWA POWER & LIGHT COMPANY
IOWA PUBLIC SERVICE COMPANY
IOWA SOUTHERN UTILITIES CO.
NORTHWESTERN LIGHT & POWER COMPANY

Reddy Kilowatt
The friendly symbol of the electric light and power industry.



GIVE THIS MILL A CHANCE TO PAY FOR ITSELF

Farm Authorities say you save 15% to 25% by grinding roughage, and livestock gains up to 30% faster.

Now comes a sensational new improved Harvey Red Hed Hammer Mill that not only grinds small grain and corn ⅓ faster but brings down to rock bottom the cost of grinding roughage.

The speed and economy of the new Harvey Red Hed is due to a remarkable new self-feeder which pushes into the large grinding chamber all the material that the mill can take. Although intake is kept up to maximum, no feed can get out of the grinding chamber until it is ground to the proper size.

Conveyor speed is controlled and quickly adjustable for different materials. Likewise the feed gate is adjustable and proper tension on the feed roll is maintained automatically. A manually controlled, easy-to-reach safety release clutch eliminates danger of over-forcing, yet you can get every bushel of capacity for which the Harvey Red Hed is famous.

SEE YOUR LOCAL DEALER OR WRITE FOR COMPLETE INFORMATION

Your local Harvey dealer can tell you how the Red Hed Hammer Mill grinds more bushels with less power, due to super fly-wheel momentum of Harvey alligator-head swinging hammers and to extra large screen area. If you do not know a Harvey dealer, fill out and mail the coupon.

GET FREE GRINDING CHART

Farmers say it's an eye-opener on feeding for more meat with less feed. Gives 115 different grinding recommendations.

Harvey One-Man Elevator—Built of modern materials—engineered like a round-the-world plane. Steel used is 50% stronger; useless weight is eliminated so you can wheel it around like a feed cart. Sides quickly set to 4 positions to handle grain, bags, bales.

Harvey Red Hed Corn Sheller—Now, with cob stacker, an improved model of the only sheller with the patented, triple-action KERN-O-LIZER that shells up to 250 bushels an hour to save you time, work and money.

Harvey RACINE

HARVEY MFG. CO., INC., DEPT. M-10 RACINE, WISCONSIN

I want your new 1948 Grinding Chart. Please send my FREE copy.

Also, send me information checked.

☐ Harvey Red Hed HAMMER MILL

☐ Harvey Red Hed CORN SHELLER

☐ Harvey All-Purpose FARM ELEVATOR

Name.....

Address.....County.....

Town.....State.....

Movable Bin for soybeans is 10 feet square and holds 600 bushels. Plans for this bin, or a 12x14-foot bin holding 1,000 bushels, can be secured from the Agricultural Extension Service, Iowa State College, Ames, Iowa. Both these sizes of bins are built on skids.

Soybean Storage Is Tough Problem

Bins Must Be Tight, Strong and Covered Well Enough to Keep Out Snow and Rain

YOU may need storage for soybeans as well as for corn. The soybean crop is big—this year's crop is estimated at 31 million bushels, in round numbers, compared with 26 million last year and 23 million for the 10-year average.

If the government price support is thru loans and purchase agreements, you will need storage in order to take advantage of it. Big receipts of beans might drive the market below support levels at harvest time.

The storage of soybeans presents a tough problem. Beans are harvested last. Other grains are likely to be in the best bins. It often means undesirable bins and danger of spoilage.

Poor germination of stored soybeans may result even when the beans do not actually spoil. This fact brings the problem of storing beans to almost every grower.

Another reason, why storing beans is more of a problem is that the beans require a tight bin. Storage bins also must be able to withstand high pressures.

Many farmers solve the bean storage problem with improvised bins. Individual hog houses and poultry brooder houses may be available for winter storage.

Unused cribs, stalls, garages or other buildings can be made satisfactory for storing soybeans. Requirements are that they be made tight, have tight and dry floors, be covered against snow and rain, and be strong enough to withstand the pressure.

The big thing to watch in storing beans is the moisture content. Soybeans, like shelled corn, should not be stored if they contain much more than 13 per cent moisture.

If beans are stored with more than 13 per cent moisture, they should be inspected frequently. Turning them helps reduce the moisture. Using a drier might be a more practical method of drying any high moisture grain in the bin.

Soybeans can be stored for several years if dry enough when put in the bin, and if kept dry by proper storage.

Importance of dry storage for beans has been well demonstrated. No moisture or snow should be allowed to blow in.

Experimenters at the Illinois station found that beans from the upper levels of the bin showed reduced vitality even the first spring following storage, and after two years were worthless to use for seed.

Moisture absorbed from the air—and possibly snow blowing in—increased the moisture content of the surface beans to 18 per cent at times. Hot spring days, combined with the high moisture content at that time, lowered the germination.

Bean growers can build movable buildings as illustrated above, erect permanent buildings, or buy ready-made bins. In either case here are points to keep in mind.

Footings and foundations ought to be essentially the same as for corn cribs. At least one square foot of footing should be provided for each 60 bushels of beans.

Adequate anchorage of the sills is very important. The anchorage should be equivalent to half-inch bolts set 12 inches into the wall and spaced not more than four to five feet apart.

Beans need tight, smooth floors. Wood floors should be made of well-seasoned, dressed and matched flooring. This kind of lumber will avoid any cracks due to shrinkage.

Build the floors high enough to discourage rats from hiding underneath.

Concrete floors are good if made so that they will be dry. Have the concrete floor extend at least eight inches above the ground level.

A good type of concrete floor is one having a foundation of six to eight inches of gravel or cinders. Cover this with a layer of hollow clay blocks, in turn covered with two inches of concrete. If cost is too large a factor, the concrete may be poured directly on the gravel or cinders.

See how many leading hog men

HIT THE EARLY MARKET

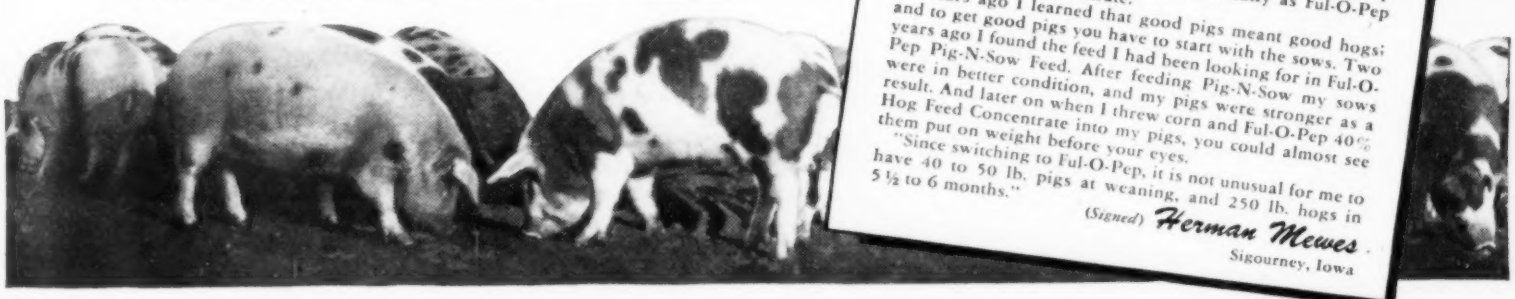
with Ful-O-Pep Fed Hogs

SENDS 'EM TO MARKET IN 5½ MONTHS

"This year we fed 49 pigs the Ful-O-Pep Way from start to finish. 42 head were marketed in 5½ months, weighing 207 lbs., and 7 head at 6 months, weighing 243 lbs. average. We feel that the Concentrated Spring Range* and the organic-source minerals found in Ful-O-Pep 40% Hog Feed Concentrate provide healthful benefits to pigs that are otherwise not available through the winter months when there is no grass."

(Signed) *Homer Pine*
Gallatin, Mo.

FATTENS SHOATS QUICKLY . . . From 125 lbs. to market is the time to roll the corn to hogs. Many feeders get 100 lbs. of pork with 5½ bu. of corn and 50 lbs. of Ful-O-Pep 40% Hog Feed Concentrate. How's that for profit?



RAISES 250 LB. HOGS IN 5½ TO 6 MONTHS

"In all my years raising hogs, I've never seen anything help put on weight so rapidly and economically as Ful-O-Pep 40% Hog Feed Concentrate.

"Years ago I learned that good pigs meant good hogs; and to get good pigs you have to start with the sows. Two years ago I found the feed I had been looking for in Ful-O-Pep Pig-N-Sow Feed. After feeding Pig-N-Sow my sows were in better condition, and my pigs were stronger as a result. And later on when I threw corn and Ful-O-Pep 40% Hog Feed Concentrate into my pigs, you could almost see them put on weight before your eyes.

"Since switching to Ful-O-Pep, it is not unusual for me to have 40 to 50 lb. pigs at weaning, and 250 lb. hogs in 5½ to 6 months."

(Signed) *Herman Mewes*
Sigourney, Iowa

This Year

SPEED YOUR HOGS TO MARKET

. . . balance your corn with

Ful-O-Pep 40% Hog Feed Concentrate

1948-49 is opportunity year for the hog raiser. Just how much it will mean to you depends on when you get your hogs on the packers' scales.

To get ahead of the big runs so you can cash in on top-market prices, do as Homer Pine, Herman Mewes and many other top hog men are doing: supplement your grain with Ful-O-Pep 40% Hog Feed Concentrate.

And here's why: 40% Hog Feed Concentrate is fortified with an exclusive ingredient—Concentrated Spring Range—which provides hogs with many of the vitamin benefits of fresh green grass. This vitamin boost is blended with a variety of proteins and organic-source minerals . . . a balance of nutritional elements which *make your corn put on pounds more rapidly,* especially during the winter months.

So, this year hit the early market. Stop and see your local Ful-O-Pep Dealer. Ask him for 40% Hog Feed Concentrate—*to help speed your hogs to market and to get more pork from your corn.*

FREE BOOKLET . . . Write today for your copy of the 24 page illustrated book, BOOST PORK PROFITS. It's free . . . just send your request to The Quaker Oats Company, Dept. J-89, Chicago 4, Ill.

*Reg. U.S. Pat. Off.

THE QUAKER OATS COMPANY, CHICAGO 4, ILL.

3 FUL-O-PEP FEEDS TO BOOST PORK PROFITS

Pig-N-Sow Feed
to make lots of sow's milk

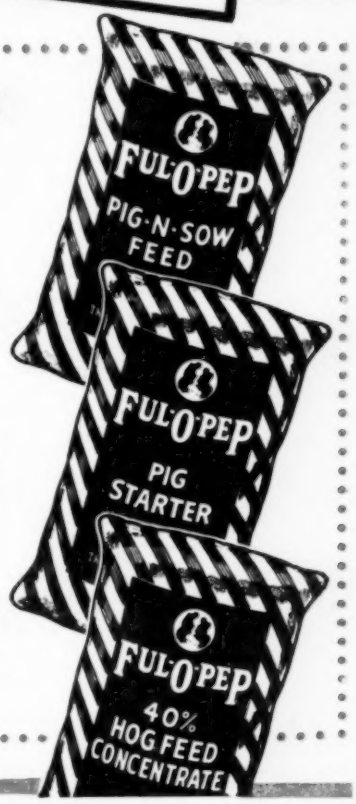
Developed to build big litters of big pigs at farrowing, and furnish plenty of sow's milk for all. Feed in equal parts with whole oats from time sow is bred until pigs are weaned.

Pig Starter
to grow pigs fast

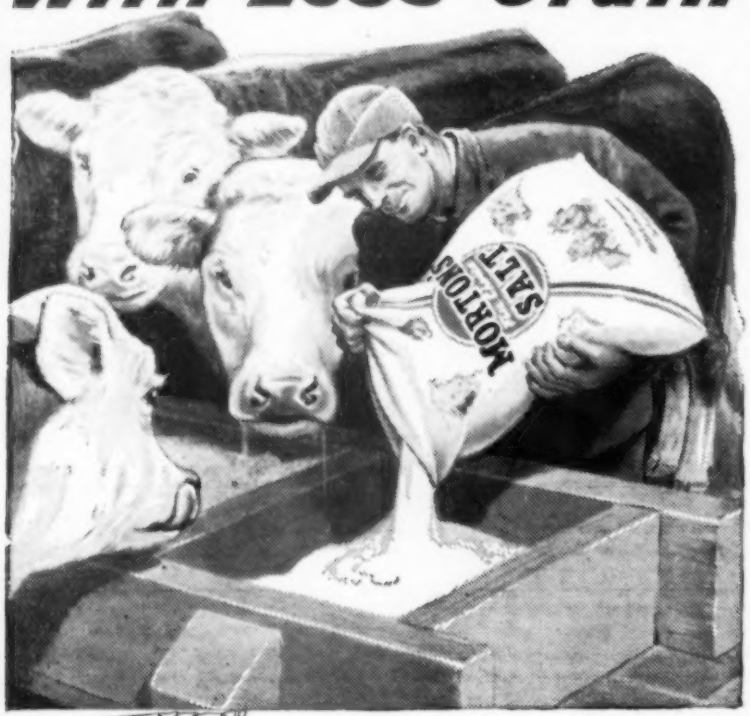
Appetizing, nourishing feed built around choice rolled oats and fortified with special vitamin sources to promote fast gains and help prevent pig losses. Feed in creeps from first week until weaning.

40% Hog Feed Concentrate
to speed hogs to market

Supplies proteins, vitamins and organic-source minerals that grain lacks to help put on fast gains at low cost. Begin feeding at 75 pounds and continue until hogs are ready for market.



GET MORE MEAT *with Less Grain*



Free Choice SALT DOES IT

With plenty of salt before them all the time, livestock make better use of their feed. Their digestive systems are more active . . . they assimilate better . . . they pack on pounds faster . . . they're healthier and thriftier.

Purdue University tests show that, with hogs, for instance, 321.4 pounds of corn *with* salt did the work of 451 pounds with *no* salt. Salt also saves proteins and minerals.

For best results, feed salt free choice—not only to hogs, but also to dairy cows, meat animals, sheep. Put a few salt feeding stations around the farm and use Morton's Free Choice Salt.

NON-HARDENING
under normal use and storage conditions

Morton's Free Choice Salt is especially developed for livestock feeding. It's pure, easy to feed, easy to use for mixing, and formulated to remain NON-HARDENING under normal use and storage conditions. Be sure to ask your dealer for it *by name — Morton's Free Choice Salt.*

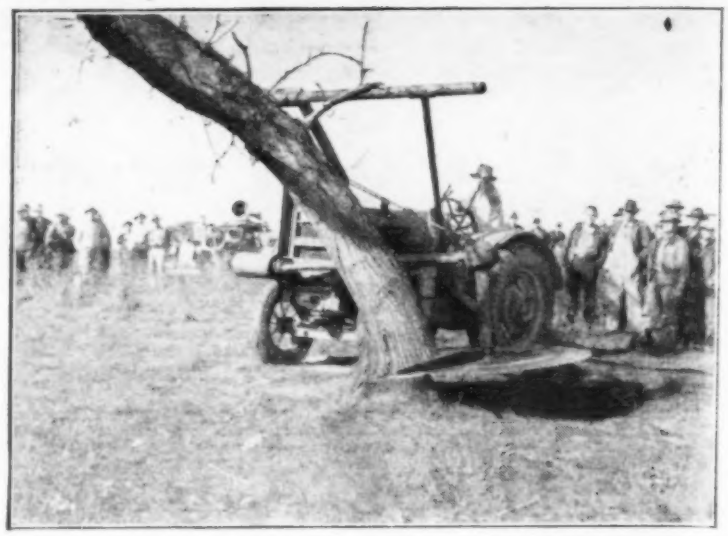
Send for this *FREE* booklet on Free-Choice Salt Feeding

Write for copy of "Free Choice Salt for More Profitable Livestock." This 40-page book is packed with facts every farmer and feeder wants to know. No other book like it. Mailed free. Morton Salt Company, Chicago 3, Illinois.

Salt Saves Feed because it supplies the sodium and chlorine needed by the digestive system — the sodium for making bile which digests fats and carbohydrates; chlorine for the hydrochloric acid which converts feed proteins into body tissue.

Feed Salt Free Choice for more profit. Some animals need more salt than others. The best way to feed it is free choice. Then each animal can take what it needs for maximum thrift, faster gains, lower feeding costs, and greater profits.

MORTON'S
Free Choice
SALT



Power Saw cuts down trees in a hurry. This one is shown at SCS pasture-clearing demonstration, Jefferson county, Iowa.

Tips For October

These fall suggestions come from the farm management section at Iowa State College:

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START PASTURE renovation program now. Spread lime this fall and disk on the contour. Heavy fall grazing weakens blue grass sod. So graze heavily if you plan to renovate in the spring. But weedy, run-down pastures which you are not going to renovate should be grazed lightly.

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RYE MAKES good early spring pasture. E. L. Morris, of Story county, Iowa, seeds rye in early October. The grain pasture can be plowed and planted to corn or soybeans late in the spring.

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TEST SOIL for lime needs. It is wasteful to lime any other way than according to tests, soil experts say. Insist on finely-ground limestone of high quality. Spread it this fall for next spring's seeding. Disk in if land is subject to washing.

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FIELD LAYOUTS made during the fall will save time the next spring. And fall is a good time to lay out contour lines for next spring's plowing.

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THREE RATS eat as much food as two laying hens. Corn is plentiful. But it is still worth too much money to waste on rats. Control them by poisoning, gassing and rat-proofing.

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FEEDER CATTLE must be started right. Dave Hunter, Hamilton county, Iowa, has found that feeders arriving after a long shipment need a rest. Plenty of water and some good hay are other "musts." Keep cattle confined to a small pasture or lot at first.

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GRAIN INSECTS can cost you money. You can spot insects in shelled corn and small grain by crawling over the grain on your hands and knees. A damp, hard, moldy crust of grain forms over the insect-infested area. Break up the crust, then pour one gallon of ethylene dichloride-carbon tetrachloride mixture per 100 pounds over the surface of the area where the insects are working.

HAY MAKES good winter hog feed. Lee Hill, Warren county, Iowa, believes it's good business to feed alfalfa hay to his brood sows during the winter.

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FALL PLOWING makes a better spring garden. Deep-plow gardens right after you have fertilized them. Fall plowing allows early planting of "cool-weather" vegetables. And it boosts production from your garden.

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MOVE YOUR GARDEN to a new location if it has been grown on the same spot for more than five years. Rotation is important in keeping up vegetable production.

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PUT FURNACES and stoves in shape. Check stove-pipes. Clean out soot and ashes before stoves and furnaces are started.

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PREVENT unnecessary heat losses in your home. Re-putty window sash to cut down cold air leaks. Mix putty with white lead for durability. Heat loss thru windows can be cut in half by using storm windows. Storm doors and weather-stripping of doors and windows cuts heat losses, too.

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PROTECT FRUIT trees from rodents. Victor Felter, Warren county, Iowa, considers it an important fall orchard job. Place hardware-cloth around each fruit tree trunk. A second choice is to wrap the trunk with a strip of burlap. Corn stalks tied around the trunk will keep away rabbits, but not field mice.

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LATE FALL canning is still possible. Can sweet potatoes if your storage space is not good—or if potatoes have been damaged in digging. Preserve any apples that might not keep in storage. Make apple butter, apple jelly, or can apples.

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WATCH SCHOOL children closely for symptoms of overstrain. Fatigue, listlessness, irritability, restless sleep, poor appetites—all are signs of overstrain. Children going to school should not have to work over three hours in addition to their regular school day.

WARNING TO ALL POULTRY RAISERS:

With the demand for eggs steadily climbing . . . with high egg prices . . . you naturally want MORE EGGS . . . MORE EARLY EGGS. Every egg you fail to get *now* costs you good feed money. Nutrena has the answer to your problems on quality, cost of egg production, high egg production . . .

TO GET YOUR PULLETS INTO HIGH PRODUCTION . . .

YOU NEED THE FEED THAT'S GUARANTEED!

ONLY Nutrena Consistently Carries GUARANTEES like this: Offer Crumblized Nutrena Egg Feed to your layers in a separate feeder alongside any other egg feed in any other form and let your layers make their choice. If they don't eat Crumblized Nutrena Egg Feed more eagerly, drink more water, and in a reasonable time lay more eggs, return what you have not used and get your money back for it.

HIGH EGG PRICES don't mean a thing to you if your pullets don't lay lots of eggs. Crumblized Nutrena Egg Feed is scientifically formulated to meet body needs AND supply the extra proteins, vitamins and minerals hens need to give you lots of eggs.

YOUR COST OF EGG PRODUCTION is not based on the cost of a bag of feed . . . it depends on *how many* eggs you get from that bag of feed. *Remember . . . CRUMBLIZED NUTRENA COSTS NO MORE THAN MASH or PELLETS.*

WHY RISK LOW EGG PRODUCTION when you can get so many advantages in a high-egg-producing feed that's *guaranteed*. Why should you take less? Why should you lose money on feed and eggs? Why shouldn't you start feeding Crumblized Nutrena Egg Feed . . . the feed that's GUARANTEED!

BE SURE! BE SAFE! BE THRIFTY! See your Nutrena dealer today and arrange for your entire season's supply of Crumblized Nutrena Egg Feed.

CRUMBLIZED!

BE SURE BE SAFE BE THRIFTY ©

Nutrena EGG FEED

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Plant CROW'S Film-Coated Seed Corn

Get MORE CORN PLANTS Per Bushel of SEED

Figure growing plants per bushel of seed corn planted, and you will demand CROW'S Film-Coated Seed Corn for your farm. Here's the seed corn that has dependable protection against loss or damage in the soil. Its film coating keeps kernels sound until they grow — even though they wait many days for growing weather.

CROW'S Hybrids—Single or Double Crosses—give you every feature you want in hybrid corn. They are sturdy — high yielding — produce high quality corn — make more money on feed lot or cash market. All CROW'S Hybrids are Film-Coated to give you seed that grows vigorously from sound kernels. Plant CROW'S Hybrid and you get more plants — more and better corn — more profits from your investment and work in the field.

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Temporary silos hold a lot of good feed, aren't hard to build or fill if you're careful, says Myron Johnson (on spout), Boone county, Iowa. Helping here are Carl Olander (left), W. D. Brown.

Approve Only Three Bean Varieties

Weed Control Methods For Soybeans Are Discussed at the Iowa State College Farm

ONLY three soybean varieties are recommended to Iowa farmers among 40 varieties grown on the Iowa State College agronomy farm. Charles R. Weber, college agronomist, named the varieties to the corn-soybean field day visitors on September 17.

Earlyana, said Weber, is adapted to northern Iowa. It should be grown when conditions force the farmer to plant late.

Hawkeye is recommended for central and northern Iowa. This is a new bean introduced this year. Seed will be short for a year or so.

Lincoln beans got the nod for central and southern Iowa. Lincoln is also a comparatively new bean, but seed is plentiful.

Both Lincoln and Hawkeye yield about the same. However, many central Iowa farmers prefer to grow Hawkeye. It is a week earlier than Lincoln and stands up better.

Weber said that the entire acreage of Richland beans should be replaced by Hawkeye just as soon as adequate seed is available.

Hawkeye yields about six bushels per acre more than Richland, is three to five inches taller, and has a higher oil content. Hawkeye will stand as well and is as early as Richland.

Field day visitors also learned something about weed control in soybean fields. They saw that 2,4-D, applied as a pre-emergence spray, was effective this year in controlling weeds without damaging beans.

The spray was applied the same day that the beans were planted. Applications of one-half and one and one-half pounds were made of both the ester and amine forms of 2,4-D. The heavier dosages, with both the ester and amine forms, gave good control of broad-leafed weeds and fair to good control of grasses such as foxtail.

However, David Staniforth, college botanist, said that some injury to sprayed soybeans was apparent early this summer. No injury could be seen by field day visitors because July rains had brought the beans back to normal condition.

Staniforth cautioned farmers that they were seeing only one test, and that other experiments have shown conflicting results.

Weber pointed out plots that had been kept free of weeds by cultivation. The harrow was the main implement used.

After planting, and before the beans came up, the field was harrowed diagonally across. After the beans were up two to two and one-half inches, they were harrowed lengthwise with the harrow teeth set fairly deep.

Seven days later, the beans were harrowed crosswise. Eight days later, they were harrowed lengthwise, and eight days following that, harrowed crosswise once more.

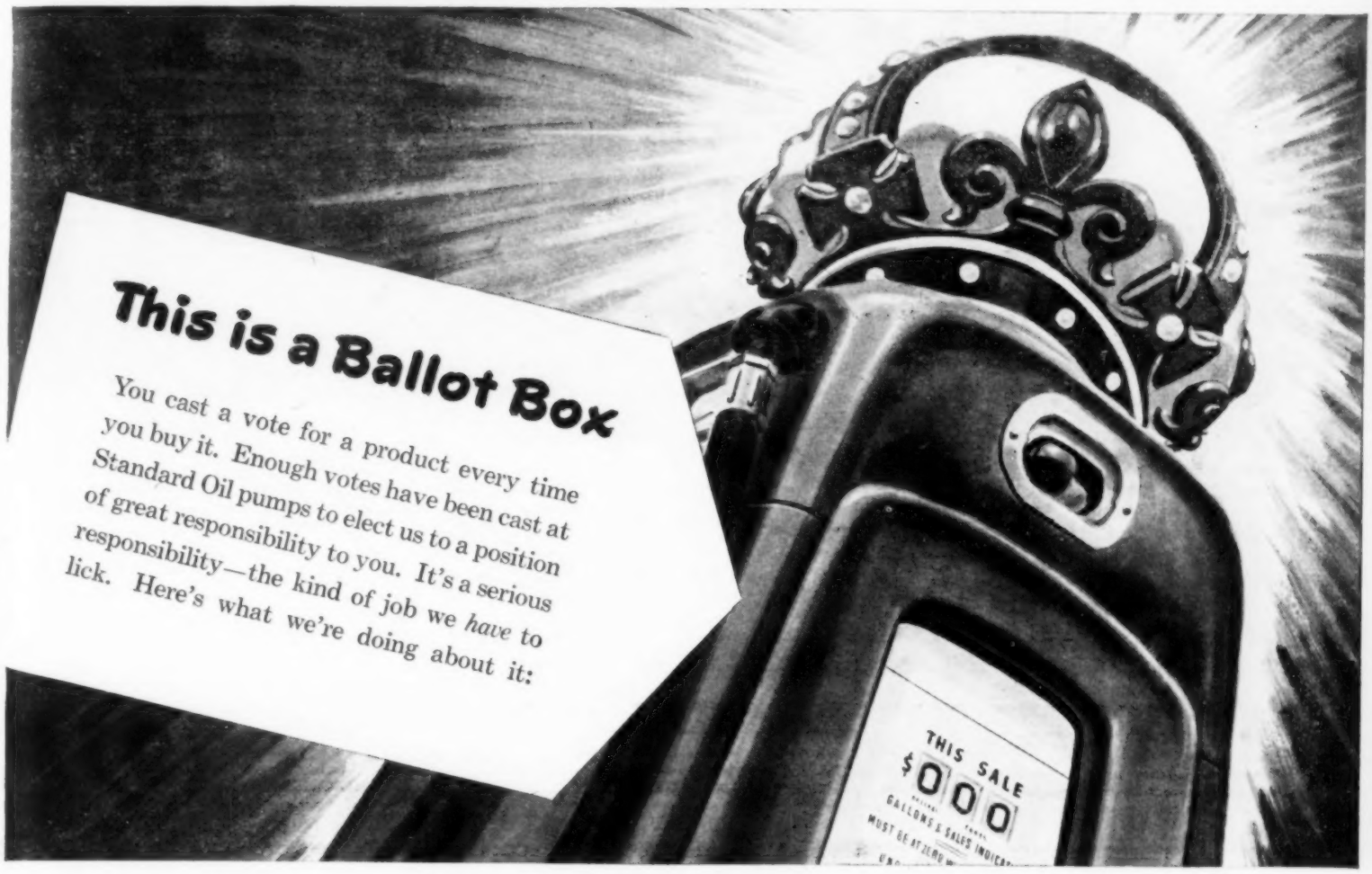
One regular cultivation was all that was necessary to control the weeds. Harrowing didn't hurt the beans.

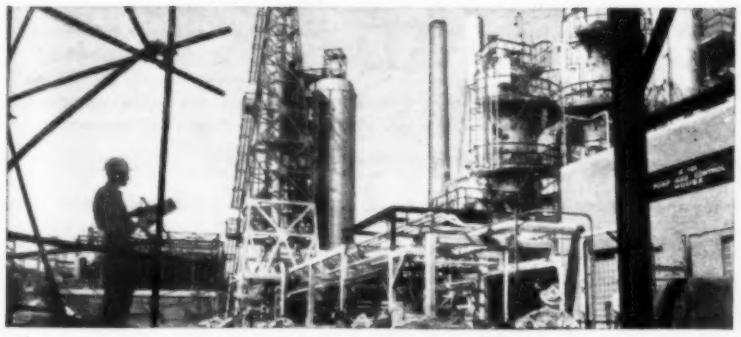
Weber pointed out that the object of the first harrowing is to get the weeds before you see them, but while they are sprouting. Later, you get them while they are small and pull out easily.

Set your harrow so that you will pull out 2 to 3 per cent of the beans. Then you will have it set right to get the weeds. A 24-foot harrow can be pulled at once. That way, you can harrow an acre every three minutes or a 40-acre field in two hours.

Weber advised field day visitors to try the harrow on soybeans next year. If damage seems to result to the beans, perhaps only a small area should be harrowed. Then results can be checked with the unharrowed ground.

If farmers wish to experiment with 2,4-D spray as a weed killer in beans, the spray must be the pre-emergence type. Beans, after they are up, are killed by 2,4-D as readily as weeds are killed.





1. WE'RE SPENDING $600,000,000. In three years—1946, 1947 and 1948—the expenditures of this company and its subsidiary companies, aimed at bringing you the petroleum products you need so urgently, will total that amount. In our effort to meet your tremendous, rapidly increasing demand, we are breaking the records set last year for output of crude oil and finished products.

2. TO BRING YOU MORE OIL we spent in 1947 alone over twice our net profit for new refinery units, tankers, pipe lines, oil and gas wells and many other facilities. Total expenditures exceeded the wages and benefits of our 46,000 employees, who in 1947 averaged over $4,000 each. We spent over 7 times the amount we paid our 97,000 owners, whose average dividends were $314 each.

3. EXPENDITURES ARE INSURANCE. For example, our new research laboratory, pictured above, promises continued progress. Over the years, Standard Oil's research has helped bring about great increases in the amount and quality of finished products we get from crude oil. Such progress helps assure our employees' jobs, and a fair return to our owners. It means more and better petroleum products for you.

4. MANY CANDIDATES COMPETE for your votes. There are many producing, refining, transporting and marketing firms in the American petroleum industry. They give us strong competition for your business. The best way to deserve your support is to maintain the kind of service and quality that win votes in this business democracy. That's what we're constantly working to do—in all seasons, despite all handicaps.

Standard Oil Company
(INDIANA)

STANDARD
STANDARD SERVICE

Stop those gullies

—and make them pay a profit!

● Erosion had been ruining this farm. Much of the valuable top soil was already washed away. But the owner decided to do something about it. He planted hillsides and gullies with black locust and ash and built a fence to protect the young trees from grazing stock.

This picture was taken two years later. The trees have taken hold and show excellent growth. Black locust has an extensive root system that binds the soil and reduces erosion damage. It improves the soil by adding nitrogen. What was once ruined and waste land will give an income through production of wood products for home use and sale.

In planning a soil conservation program, fence plays an important part. By replacing old fences with new, long-lasting American Fence and relocating the fence so you can plow on the contour, you can take the first step toward saving your valuable top soil.

Place your order now for fence and other wire products with your U·S·S American Fence dealer. He may be able to supply you from stock.

Send Coupon for New Free Booklet

American Steel and Wire Company
Room 408 Rockefeller Building
Cleveland 13, Ohio

Gentlemen:

Please send me your booklet, "It's Your Top Soil" which tells how to start a soil conservation program.

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AMERICAN FENCE

AMERICAN STEEL & WIRE COMPANY, GENERAL OFFICES: CLEVELAND, OHIO
COLUMBIA STEEL COMPANY, SAN FRANCISCO
TENNESSEE COAL, IRON & RAILROAD COMPANY, BIRMINGHAM
UNITED STATES STEEL EXPORT COMPANY, NEW YORK

USS

UNITED STATES STEEL

Night Feeding, which has proved itself with poultry, was used to get big gains on these hogs. Robert Turner (right), Marshall county, Illinois, got the idea when he heard the hogs at self-feeders during the night. He set up poles with 150-watt bulbs. A time clock turned on the lights for two feeding periods during the night. Pigs gained an average of 1.45 pounds per day in a 63-day feeding period. Only 275 pounds of feed were required for 100 pounds of gain.

SERVICE BUREAU

The Sign of Protection

$50 REWARD — WALLACES' FARMER SERVICE BUREAU

State Will Test Well-Water

To the Editor: How can I get my well-water tested?—B. T., Montgomery County, Iowa.

Write to the State Hygienic Laboratory, Water Division, Iowa City, Iowa, and ask for a special container. Then send a sample of your well-water to the laboratory in this container.

A test will be made and the report sent to you. There's a charge of $1 for each sample tested.

Lease Notice Due By November 1

To the Editor: What are the exact requirements for notifying a tenant or landlord that a farm lease will not be continued past next March 1?—F. M., Boone County, Iowa.

If either tenant or landlord desires to terminate a lease, he must notify the other party by November 1.

The usual method for notification is by registered letter, which must be mailed at least 10 days before November 1. The notice also can be served as are other legal notices, by an officer. Or a person can serve the notice himself, provided he can obtain a signed statement of receipt.

How Mail Notice Of Lease End?

To the Editor: Can a lease termination notice be sent by first-class mail? If both the tenant and his wife signed the lease, must both be notified?—C. J., Lyon County, Iowa.

A first-class letter is not a legal means of notification. The notice must be of a kind which requires written acknowledgment of receipt.

The notice may be sent to the tenant only, even tho his wife also signed the lease.

Must Cash Check In Reasonable Time

To the Editor: I received a check and endorsed it to my grocer the next day. He held it for eight days, by which time the person who had originally given me the check had closed his bank account. Must I make the check good?—P. D., Wright County, Iowa.

No. Iowa law requires that a check must be presented for payment within a reasonable time.

The state supreme court has said that "reasonable time" means the check must be presented at the bank, or mailed to the bank, by the end of the next business day.

So it would seem that the person who accepted this check and held it for eight days is liable for the loss.

What's Iowa's Share Of Crop Land?

To the Editor: What per cent of the farm land in the United States is in Iowa?—A. K. Hardin County, Iowa.

According to Leslie M. Carl, of the Iowa Crop and Livestock Reporting Service, Iowa has 3 per cent of all U. S. land. This figures in non-crop land, such as grazing areas in the west.

If you count crop land only, then Iowa has 5½ per cent of all farm land in the country.

Supervisors Can Cut Highway Trees

To the Editor: Can the board of supervisors legally remove a windbreak along the road in front of buildings? — S. A., Jones County, Iowa.

Yes, if the trees are in the highway. If they are on your land, and not in the highway right-of-way, then the supervisors would have no right to cut them without condemning the land or the trees.

DEALER AFTER DEALER REPORTS...

"CARGILL IS TODAY'S FASTEST GROWING NAME IN HYBRIDS!"

SHEEHAN PRODUCE, LEMARS, IOWA —"We sold 112% MORE Cargill Hybrids last year than the year before."

DAY FEED MILL, BRAHAM, MINN.—"We INCREASED our sales of Cargill Hybrids 150% last year."

DODGE'S FEED STORE, MENOMONIE, WIS.—"Cargill is the fastest growing name in hybrids. We sold 98% MORE than ever before last year."

OLIVER SIMONSON, GROTON, S. D. —"My Cargill Hybrid sales INCREASED 100% last year."

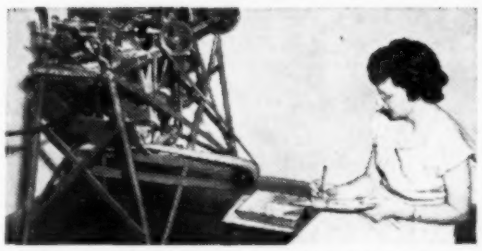
CHERNEY & WATSON LUMBER CO., WALTHILL, NEBR.—"Our Cargill Hybrid sales INCREASED 150% last year."

MOORE'S FARM SUPPLY, TRENTON, MISSOURI—"Our sales of Cargill Hybrids INCREASED 127% last year."

DEALERS KNOW IT . . . RECORDS SHOW IT! Cargill is today's fastest growing name in hybrids! More and more corn growers demand the superior qualities they get when they plant famous Cargill Crop-Proved Hybrids. They know that years of careful breeding have created Cargill Hybrids that will grow well and mature safely for each zone of the corn belt. Place your order now with your Cargill dealer or salesman. Be sure you'll have Cargill Hybrid for 1949 planting.

CARGILL EXPANDS Plant Facilities to Keep Pace with RAPID GROWTH!

GERMINATION TEST: Every lot of Cargill Hybrids is given the most exhaustive germination tests to meet Cargill's strict standards of quality.



PLANTER CHECK: Each variety of Cargill Crop-Proved Hybrids is given an exacting planter check on various planter plates. When you buy Cargill Crop-Proved Hybrids you know you'll get accurate planting on your corn planter.

COLD TEST: Corn is placed in cold, wet, disease-infested soil for 8 days. Then under good conditions it must grow well to meet Cargill standards.

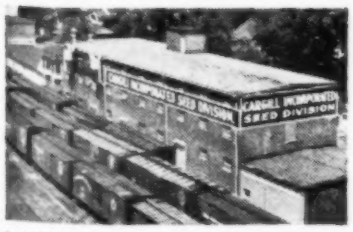
Surveys* Show That 91 out of 100 Farmers Who Grew Them Liked Cargill Hybrids Better Than Other Leading Brands

The way corn growers find out which hybrid they like best is by comparing hybrid with hybrid. They check *results!*

And, the growing demand for Cargill Crop-Proved Hybrids caused Cargill to make a survey* in 1946-'47. This survey showed that 91 out of 100 farmers who grew them liked Cargill Hybrids better then other leading brands.

When corn growers were asked *what* they liked *better* about Cargill Hybrids their reasons were many. Some liked its high germination and vitality . . . Cargill Hybrids are treated by the wet method Slurry Treatment to guard against cold, wet soil and soil fungi. Others liked the fast start, good standability, safe maturity and big yields of Cargill. Others liked its drought resistance, insect tolerance, and no ear drop.

So, this year be sure *you* plant famous Cargill Crop-Proved Hybrids. See your Cargill dealer or salesman now!



PLANT NO. 1—Cargill Crop-Proved Hybrids are dried, graded and stored in this huge, modern plant in Minneapolis.

PLANT NO. 2—Headquarters for all Cargill Crop-Proved Hybrid operations is this up-to-date plant located in St. Peter, Minnesota.

PLANT NO. 3—Here huge quantities of Cargill Hybrids are dried, graded and stored until ordered out for spring planting.

PLANT NO. 4—This, the newest Cargill plant, Grinnell, Iowa, distributes Cargill's Grinnellian Hybrids as well as Cargill Hybrids.

CARGILL HYBRIDS

CARGILL

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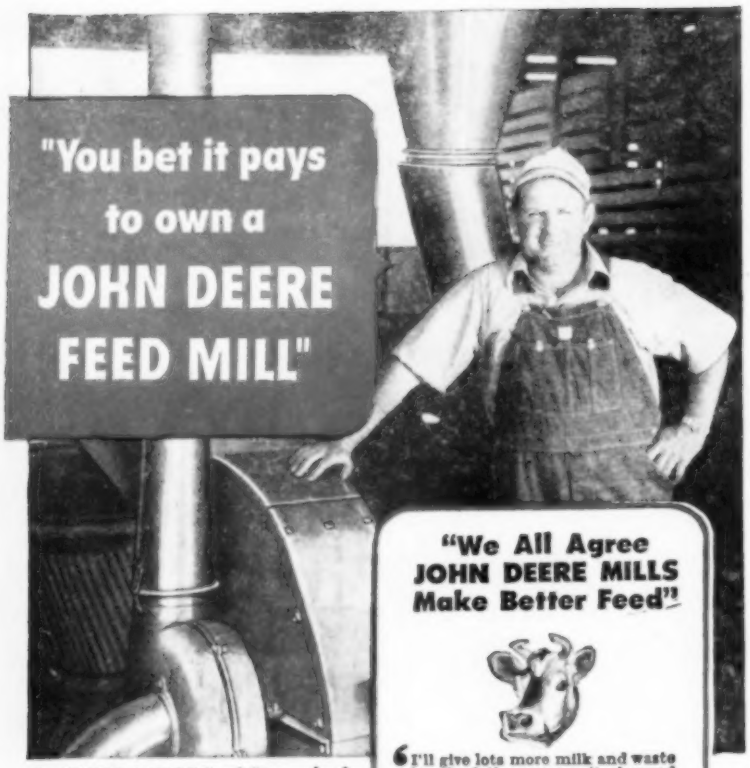


DANIEL MOORE of Bettendorf, Iowa, is "happily married" to his John Deere Feed Mill. The year 'round, Mr. Moore keeps his mill busy earning money processing feed for his dairy cows, pigs, chickens and stock cattle.

Does it pay? "You bet it pays!" says Mr. Moore. "For example, last spring I processed two tons of chick feed consisting of 1600 lbs. of corn, 600 lbs. of oats, 200 lbs. of choice alfalfa, 400 lbs. of bran, 200 lbs. of shorts and 1000 lbs. of baby chick concentrate at a cost of $194.00 based on actual market price of feeds used. The same commercial feed would have cost me $250.00. Similar savings have been made in every feed-making job

"What's more, when you process your feeds, there's no feed bunk waste. Your feed goes farther—earns more money in meat or milk."

NOTE: An early issue of "The Furrow" will carry a complete story on Mr. Moore's experience with a money-making John Deere Mill. Be sure to read it.

No matter what your feed-making requirements may be, there's a John Deere Hammer or Roughage Mill in the size you want. Because of its good work . . . low power requirements . . . and low upkeep costs, a John Deere Mill will soon pay for itself in the money it saves for you.

See the full line of profit-stretching John Deere Mills at your John Deere dealer's. Write today to John Deere, Moline, Ill., Dept. M.F., for free descriptive folders.

"We All Agree JOHN DEERE MILLS Make Better Feed"

"I'll give lots more milk and waste less feed if you serve it chopped or ground to my taste. That goes for the rest of the cows, too."

"I'm puttin' on three pounds a day and am never off feed since my boss bought a John Deere Roughage Mill. He'll make a good profit on the whole herd of us."

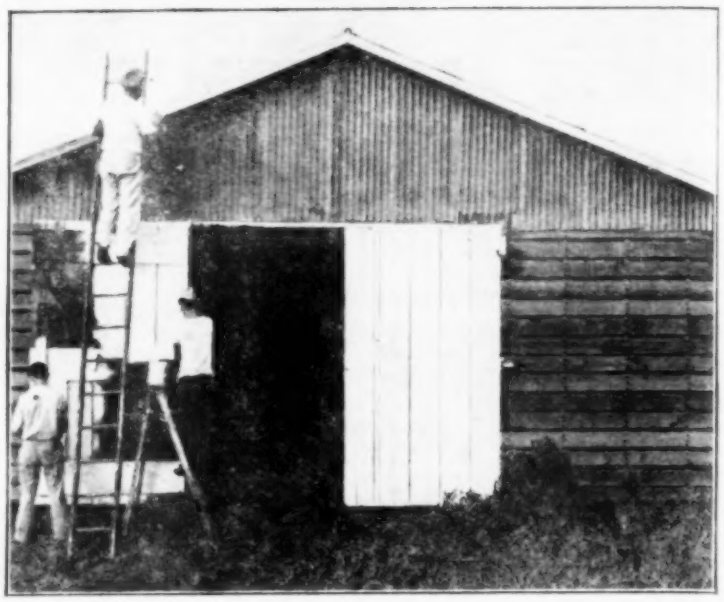
"My youngsters sure make pigs of themselves on ground feed slops. And they grow like weeds, too."

"Yep, I've noticed my hens are on the neat more than usual, and that means bigger egg production. They say it's because of the better home-grown feed we're getting. And it keeps me fit, too."

"My teeth aren't so good as they used to be, but with that ground feed I'm getting along fine."

JOHN DEERE

MOLINE, ILLINOIS



Getting Ready for big crop, W. A. Danielson (on ladder), Webster county, Iowa, fixes up old corn crib. Lending a hand with repairs and painting are Paul Tilp and Dean McCullough.

Shipping Losses Cost Farmers Millions

Most of the Waste in Crippled, Dead or Bruised Livestock Can Be Prevented

IN 1947, when meat of any kind was valuable, you and other farmers produced 151 million pounds of meat that had to be thrown away. That's several trainloads—not car-loads, but trainloads—of wasted meat.

It includes the waste on deads, cripples, bruises trimmed out and meat condemned. It took a lot of high-priced feed to produce that meat.

Much of the loss could have been avoided.

Maybe you weren't responsible for any of the loss. You still paid part of the bill. As a producer, you pay the insurance premiums and the freight rates from which claims are paid.

Buyers of livestock know they will have certain average losses caused by bruises, and you got paid less in anticipation of these losses. They can't tell, when they buy the animal, so they just allow for the bruises.

Take a look at the losses at Kansas City, St. Joseph, Omaha, Sioux City and St. Paul—markets familiar to most Iowans.

During 1947, 1,746 cattle, 2,158 calves, 12,651 hogs and 10,162 sheep were dead on arrival at these five markets. Many more were crippled on arrival — 4,336 cattle, 3,477 calves, 22,128 hogs and 3,422 sheep.

You helped foot the bill. The loss from meat cut out because of bruises isn't reflected in the above figures. In dollars, bruises cost more than three times as much as the value of dead and crippled animals.

The greatest loss occurs in transit. But you can't blame it all on your trucker or the railroad.

You have something to say about the way the car or truck is bedded and covered. You have something to say about stopping to inspect the load or to wet down the hogs in hot weather. Did you load with wet sand last August? Hog losses were very high during the 1947 heat.

The human element is the biggest cause of livestock losses. In many contests, hundreds of truckers have had no deads or cripples during six-month periods. Others show up with many injured or dead animals.

Lack of partitions in mixed loads causes deads and cripples. An inspection of several hundred trucks at a few markets showed 18 per cent of the trucks had some kind of a projection inside that could cause bruises. Something like a nail, bolt, chain, inside upright or cleat.

Many bruising losses are caused right at the farm, as livestock is sorted or loaded. Haste makes waste where loading and sorting livestock are concerned.

So does use of clubs, canes and other devices that cause bruises.

The National Livestock Loss Prevention Board has 22 rules which will cut livestock losses. Here are some of the rules you can easily observe.

Remove projecting nails, splinters and broken boards in feed racks and fences. Keep lots free of old machinery and trash that may cause bruises.

Bed with sand free from stones; cover sand with straw in cold weather, but use no straw for hogs in hot weather. Wet sand before loading hogs in summer, and while enroute.

Use partitions to keep separate packing sows from light butchers, calves from cattle, partition boars, stags and cripples. Load slowly to avoid crowding. Use a slapper instead of a club or cane. Be sure to remove any projecting bolts, nails or sharp objects from the car or truck.

Then drive carefully, slow down on sharp turns, avoid sudden stops, and back slowly and squarely against the unloading dock.

GET $2.50 FOR YOUR CORN WITH THIS Sargent CORN BOOSTER PLAN

A Hog Feeding Program that Makes Sense for Every Farmer Who Has a Big Corn Crop.

Why take $1.25 for your corn? Even if the going market is only $1.25, you can make it worth $2.50 a bushel with this proven Sargent feeding plan. Here is the dollars and cents proof of what it can do for YOU:

CORN FED STRAIGHT Requires about 12 bu. to make 100 lbs. of pork at **$1.25** per bu.

CORN SUPPLEMENTED with proper proteins, vitamins, and minerals—

Requires only about 6 bu. to make 100 lbs. of pork, thus making your corn worth TWICE as much, or . . . . . **$2.50** per bu.

Or, put it another way. 500 bu. fed under this Sargent plan are worth as much in feeding results as 1,000 bu. of corn fed straight. It DOUBLES the money you get from your corn.

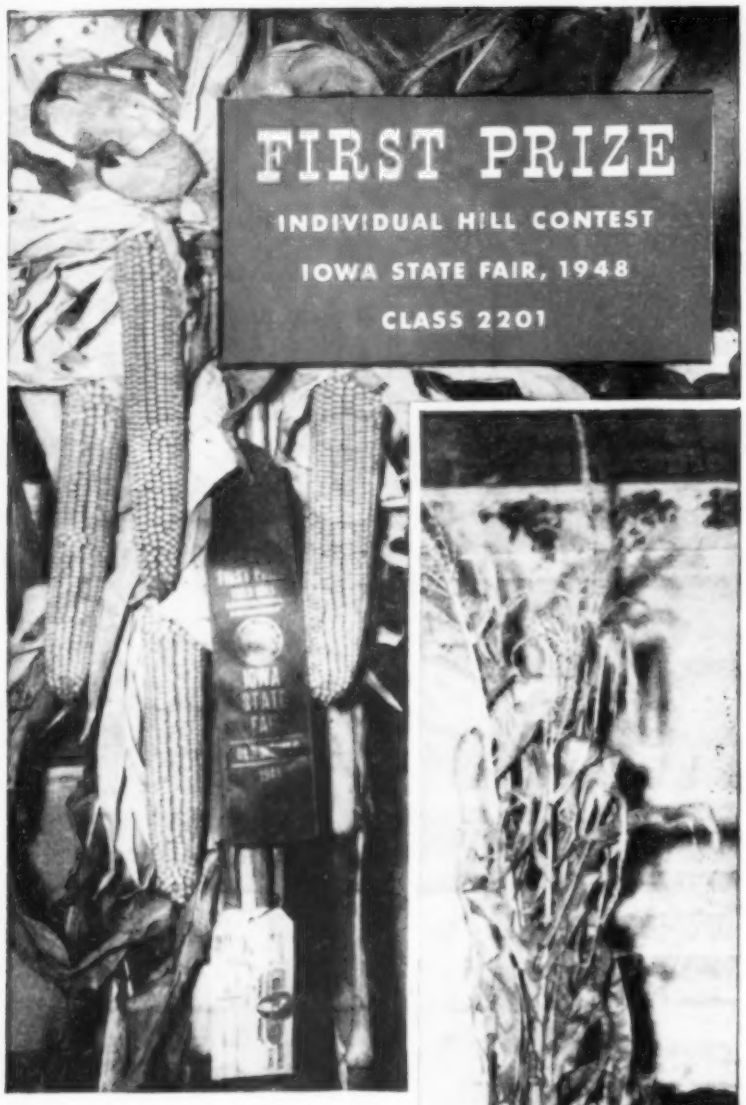
To boost your corn feeding value there's nothing like genuine Sargent Minral Meal. It's the granddaddy of all protein-mineral hog supplements.

Feeders swear by Minral Meal because they've seen its amazing results—in all kinds of years, under all sorts of conditions. Here you get a wonderful BLEND of **many** proteins, **many** minerals, **many** vitamins, to boost the feeding power of your corn. It's ready mixed. Just put Minral Meal in a feeder and your hogs do their own balancing.

Double your per bushel income from this year's corn. Why take $1.25 when you can get $2.50? Try this proven Sargent plan **now.** Ask your dealer, or write today for special '48 corn-booster feeding plan.

Sargent Minral Meal

SARGENT PLANTS: Des Moines • Monmouth, Ill. • Fremont, Nebr. • Waverly, Mo. • Algona, Iowa



Moews Corn Wins Again!

Pictured here are the reasons why William E. Hommer of Polk City, Iowa won the first prize in Class 2201 at the 1948 Iowa State Fair with his MOEWS IMPROVED HYBRID entry.

Four sturdy stalks in the hill, each bore a big, beautiful ear of excellent quality corn. A mammoth root system fed each ear to perfection. Kernels were wide, thick, deep, packed with meat making, mellow soft starch, protein and oil.

Grow prize corn on your farm in 1949.

Send coupon below . . . TODAY

Any hill of this MOEWS IMPROVED HYBRID corn could easily have been the winner.

WILLIAM E. HOMMER, 19 year old 4-H boy of Polk City, Iowa has added another honor to a long list of achievements by winning Class 2201 at the 1948 Iowa State Fair with his MOEWS IMPROVED HYBRID individual hill entry.

MOEWS SEED COMPANY, Dept. WF
Granville, Illinois

Yes, I want prize corn in 1949. Send descriptions and prices of MOEWS IMPROVED HYBRIDS for my locality.

NAME .....

ADDRESS .....

.....

☐ Check here if interested in becoming a MOEWS dealer.

say "maize"
MOEWS
Improved HYBRIDS
MOEWS SEED COMPANY, GRANVILLE, ILL.

Washington Wire

Soys Head Toward Loan Levels

Farmers Wonder If Support Plan Will Keep Beans Up To $2.18 Loan Figure

WASHINGTON, D. C.—Soybeans hit the toboggan in late September. A farmer who had counted on $2.60 or so per bushel found that the local price was more like $2.25.

Few beans have been harvested yet. What was the cause of the early drop?

One thing was the certainty of a big crop. This year, the soybean crop is around 205 million bushels, against 181 million last year.

More important has been the revival in production of vegetable oils abroad, and the shortage of dollars among nations that might buy our soybeans.

The question now is: "Can government support methods keep soybeans up to the $2.18 level?"

This is the loan figure for No. 2 beans, with not more than 14 per cent moisture.

Whether the soybean price stays up around $2.18 a bushel turns on several things:

1. How fast will farmers sell? A rush to market could break the price this month and next.

2. How much will the farmers store? If a lot of beans are put under loan, the market price may hold around $2.18.

3. How much will the government export? Present plans are to ship out only three million bushels in the October-December quarter. If more beans are sent overseas, it will be easier to hold up the price at home.

The old method of protecting elevator men and processors if they paid $2.18 or more is definitely out. Now soybeans are to be handled like corn.

A farmer can store beans on his own farm and get a loan. He can store in an elevator or warehouse, get a warehouse certificate and borrow on that.

Or he can sign a purchase agreement, put his beans under cover, and get assurance that he will be paid the loan price when he delivers. Delivery date may be as late as May 30—or earlier if the CCC wants to call for the beans.

The National Grange, American Farm Bureau Federation and the National Association of Farmer Co-ops are going to bat for the price support program.

The farm groups, hopping mad about charges that supports are to blame for inflation, got together in Washington and came out with a scorching denial.

The row now raging about price supports stems from widespread rumors that congress is going to do some more tinkering with the legislation which it passed in the last hours before adjourning for the Republican convention.

For one thing, cotton states senators are in a dither because the new system which goes into effect in 1950 undoubtedly will mean a lower support level for cotton.

Agriculture department officials aren't too happy about the present situation, either.

They say that about all congress has done is to take emergency action extending war-time price supports for one year.

Altho the bill carries some long-range support provisions, the officials charge that Republican leaders of the house have made it very clear that they don't mean very much.

The government thinks there's nothing alarming about the fact that the corn carry-over next year may be more than 600 million bushels. It points out that twice in the last 10 years the carry-over was larger than that, and every ounce of the grain was put to good use.

But officials are crying loudly for farmers to expand their own storage so they can hold grain under government loan and prevent a disastrous price bust.

They think the country can use a billion bushels of storage space, especially if there's another record out-turn next year.

The whole storage problem is tied in with the need to rebuild livestock numbers. Washington experts hope producers can expand enough to boost the meat supply to a yearly average of 150 pounds per person by late 1949. It is expected to average about five pounds less than that this year.

The agriculture department's spring goal of 60 million head—nine million head more than the 1948 spring pig crop—is part of this general plan.

Gillette or Wilson?

Which one will win most votes in farm precincts?

Will Truman Gain?

Will he come out of his early campaign slump?

Wallace-Homestead Poll again is checking to see

How Farmers Vote

READ THE RESULTS IN OCTOBER 16 ISSUE

POLITICAL ADVERTISEMENT POLITICAL ADVERTISEMENT POLITICAL ADVERTISEMENT POLITICAL ADVERTISEMENT

TWO GREAT TEAMS

PULLING FOR IOWA AND THE NATION

THOMAS E. DEWEY

FOR PRESIDENT OF THE UNITED STATES

EARL WARREN

FOR VICE PRESIDENT OF THE UNITED STATES

BILL BEARDSLEY

FOR GOVERNOR

Successful farmer, legislator and businessman—Bill Beardsley offers Iowa a sound program for providing better roads, better schools, better state government. A capable executive, Beardsley has pledged vigorous action for reducing taxes in Iowa through sound management in state government.

GEORGE WILSON

FOR U. S. SENATOR

George Wilson's courageous fight for small business and constructive farm legislation; his strong stand against bureaucracy in Washington; his unquestioned sincerity and sound thinking—these are the reasons why thinking Iowans agree, "We Need Wilson in Washington!"

KENNETH A. EVANS for Lieutenant Governor

MEL. D. SYNHORST for Secretary of State

JOHN M. GRIMES for Treasurer of State

C. B. (Chet) AKERS for Auditor of State

HARRY D. LINN for Sec. of Agriculture

ROBERT L. LARSON for Attorney General

CARL W. REED for Commerce Commissioner

VOTE REPUBLICAN

Get these 4 Wonderful Glass Mixing Bowls!

Yes, they're beautiful — made of clear, sparkling, crystal-bright glass, and they nest together as a perfect set of four! You'll find they have a hundred uses. They're wonderful for stirring up batter or mixing salads . . . attractive as serving dishes on the family table . . . and mighty handy as refrigerator dishes for leftovers.

You'd expect a set like this to cost at least a dollar. So here's your opportunity!

If you want a set of these bowls, see your friendly Kellogg Feed Dealer today. Buy three bags of Kellogg's Egg Mash. Then give him the three coupons that come with the feed and 25c. This sparkling set of mixing bowls will be yours!

This offer expires February 1, 1949.

THERE'S A COUPON IN EVERY BAG

Kellogg's

EGG MASH

Turns Grain into More Eggs . . . Saves Money . . . Helps you get Bigger Profits!

It's AMINO-BUILT!

You get more than just the right *amount* of protein when you buy Kellogg's Egg Mash. You get *all 10* of the vital egg-protein materials your hens need to lay their *very* best.

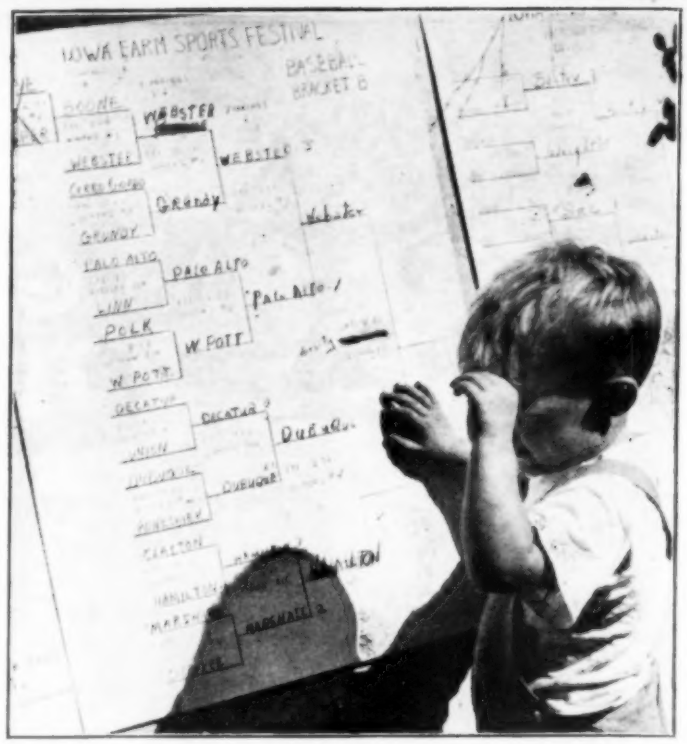
These vital materials are the 10 essential amino acids. Kellogg nutritionists *measure* the amount of the vital 10 in each type of protein ingredient!

That's why Kellogg's Egg Mash is built to give you *more* eggs. That's why you get more real egg-building value from a bag of Kellogg's Egg Mash. This fine feed also supplies the right vitamins and minerals needed to balance your grain for top results.

Order a supply of Kellogg's Egg Mash from your local Kellogg Feed dealer today!

KELLOGG COMPANY

FEED DIVISION OMAHA, NEBRASKA • BATTLE CREEK, MICH.

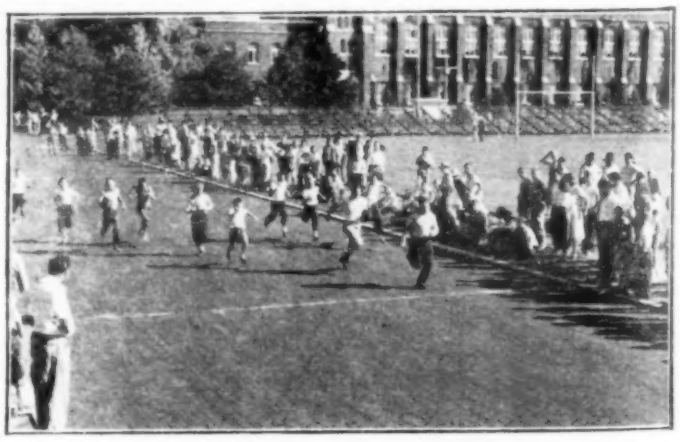


Looks Like Jackie Kinney, Polk county, Iowa, is unhappy over results at 1948 Iowa Farm Sports Festival. Actually, he's just ducking the hot sun as he checks scoreboard.

Farm People Play

Every year, in early September, 10 to 20 thousand members of Iowa Farm Bureau families take a couple of days off to stage their own rural Olympics.

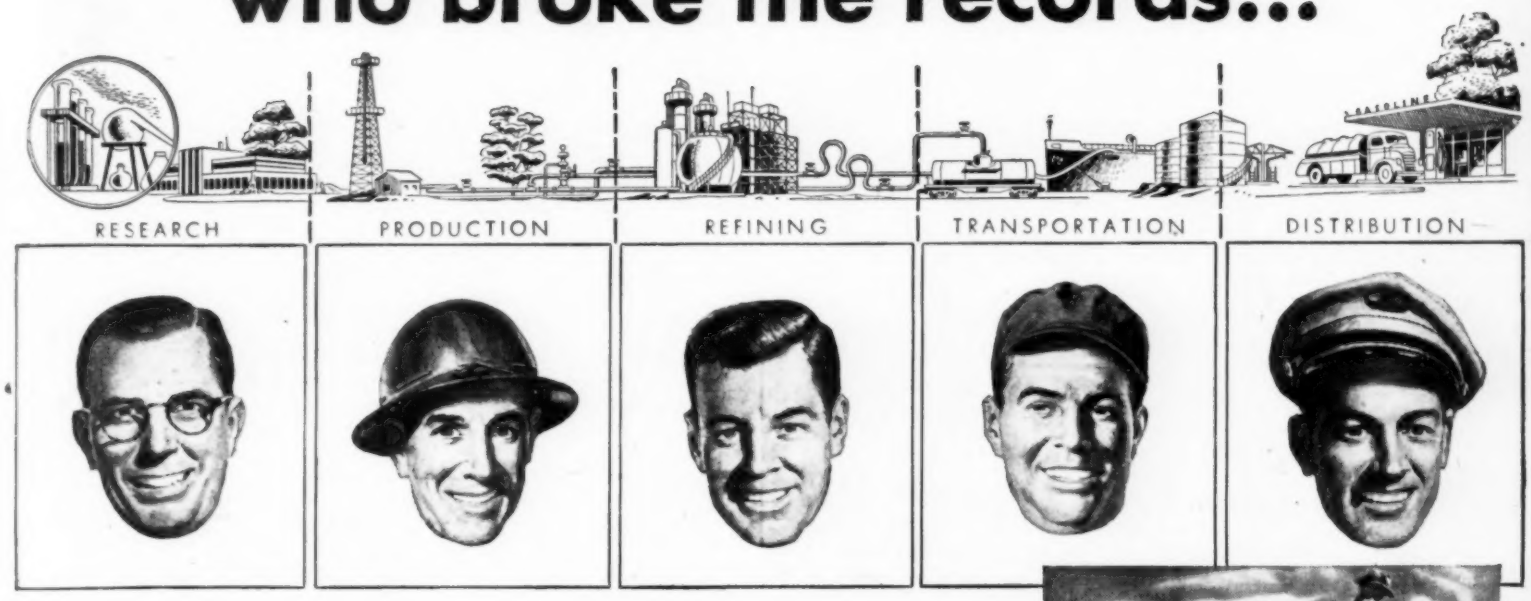
At Ames this year, more than 5,000 contestants and 10,000 spectators were on hand for the sixth annual Iowa Farm Sports Festival. After two days of athletics and an evening of musical competition, Webster county headed home with its second title in a row. Polk county placed second, with Dallas in third.



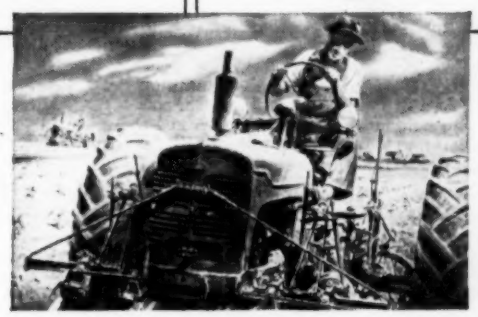
Everybody in the family had a chance to do his stuff at the Iowa Farm Sports Festival. This is the 50-yard dash for boys 13 and under. Jim Fosch, Polk county, is winner.

Softball champions at the Sports Festival were these Hardin county boys. They've accepted a challenge from the top Illinois Farm Bureau team to play for the corn belt title.

Meet the men who broke the records...



Ears tuned to the hum of America... alert to your everyday needs ... their all-out continuing efforts are aimed at one goal—MORE OIL FOR YOU



Now—1,333,000 *New* Tractors are at work on American farms! Yes, nearly *twice* as many tractors as before the war. To supply farm machinery with fuels and lubricants . . . to serve you . . . your industrial needs, your cars and homes, nearly 250 million gallons of oil products are produced *daily*.

THESE MEN ARE TYPICAL of the millions of men and women in the oil industry who have gone out and shattered every record in supplying oil for America. They are representative of the more than 34,000 individual companies whose competition in oil production, refining, transportation and distribution has led to *more oil for you*—to fill the greatest demand for petroleum America has ever known.

RIGHT NOW, they're supplying you with almost 250 million gallons of oil products every day. This is *more* oil than has ever been supplied before . . . more oil than was needed in the peak years of the war!

October 14th is Oil Progress Day

This is the day when local oil men will report to their friends and neighbors on what is being done toward community progress and the well-being of America.

The demand for oil is constantly expanding because of the ever-increasing number of cars and trucks...farm tractors and oil burners...planes, trains, ships and factories.

How Competition in Oil Helps *You*

The men and women in the oil business are working day and night to step up the supply. And the individual oil companies—competing in the traditional manner of American industry—are now investing over 4 billion dollars for new facilities to make more oil available for you.

What's Being Done to Increase Your Supply

Day after day, new wells are brought in...new plants go into operation . . . refinery capacities are increased. Month after month more miles of pipeline, new and faster tankers, extra storage facilities are added to the lifeline that carries oil from the earth to you. All of these things—and *more*—are being done so that *you* will get the oil products you want . . . *when* and *where* you want them!

Outlook For The Future

The nation's oil needs *are being met*. What's more, the industry is gearing itself to meet the even *greater* needs anticipated for tomorrow. For the all-out job to supply you *today* has resulted in the largest stock of underground oil reserves in the history of the nation!

YES, THESE MEN—and almost 2,000,000 others like them—will *continue* to supply you with high-quality oil products in ever-increasing volume . . . maintain their recognized high standard of service. *This year* you will receive more oil products than ever before. Use them *efficiently*. Oil is energy for America. Oil means more comfort, better living, greater convenience for *you*.

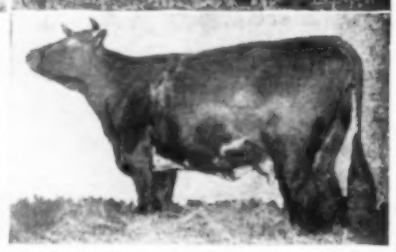
Oil Industry Information Committee

670 Fifth Avenue • New York 19, N. Y.

VIKING VILAK

Helps WINNERS SCORE Again at The IOWA STATE FAIR!

Again, in 1948, VIKING VILAK fed livestock carried off the majority of honors at Iowa's great exposition! NO OTHER MINERAL CAN MATCH THIS RECORD! At right are Vilak fed Senior and Grand Champion Angus bull and Grand Champion female shown by Otto G. Nobis, Davenport, Iowa. Wilton Farms showed 23 animals and won in all groups but two . . . with second in those!



- Above: Champion Female Shorthorn shown by George Struve and Sons, Manning, Iowa.
- Right Above: Grand Champion Hereford Bull shown by Charles Bianchi Hereford Ranch, Macon, Missouri. Bianchi placed all 11 animals shown.
- Right: Senior Grand Champion Milking Shorthorn Cow shown by T. C. and Keith King, Kingsdale Farms, Victoria, Ill. King also showed Senior Grand Champion bull. With Six animals they took SIX FIRSTS.

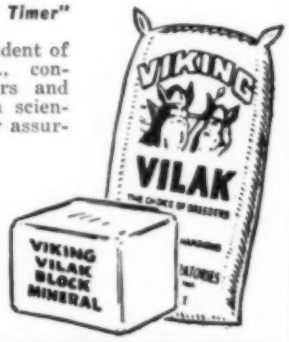
YES, Breeders and Feeders of Champions feed VIKING VILAK to solve mineral problems. ALL FARM ANIMALS LIKE and NEED VILAK . . . Order a supply today or write direct.

A Salute from "The Old Timer"

John B. Haberkorn, President of Viking Laboratories, Inc., congratulates winning breeders and feeders. His reputation in scientific mineral feeding is your assurance of satisfaction.

SEND FOR FREE BOOK

Mr. Haberkorn's book, "Good Breeding and Good Feeding" is filled with valuable tips. Send for your copy now.



VIKING LABORATORIES, INC.
DES MOINES, IOWA

CASWELL *Hydraulic* LOADER

"THE ORIGINAL IS STILL THE BEST"

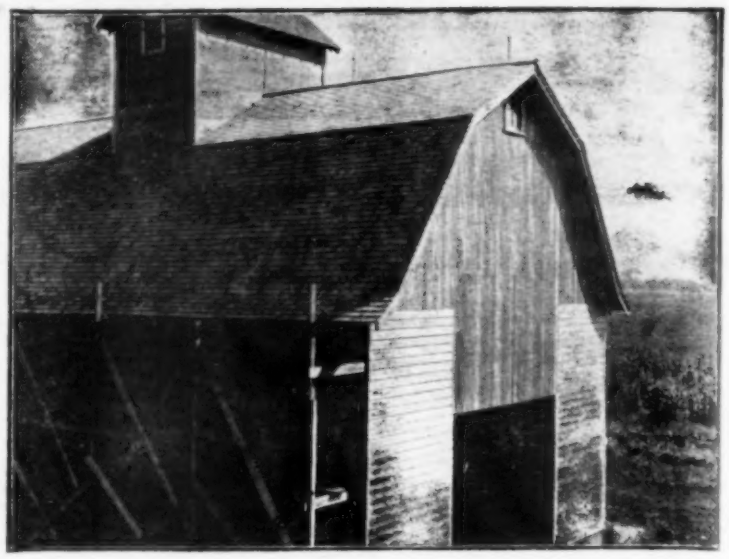
BEING THE FIRST, in the field, we originated and protected by patent, the basic, practical features of the Caswell Hydraulic Power Loader which make it so simple and safe to operate—so easy to mount and unmount. New improvements each year have kept it out in front, completely modern. Full line of attachments.

SEE YOUR DEALER
or write

Check the Caswell, compare it with others. Its LOW PRICE will surprise you—So much more QUALITY for your DOLLAR. Insist on the genuine CASWELL Loader.

Leads All In Exclusive PATENTED FEATURES
1. Patented LEVER CONTROL to tilt fork and control the dip.
2. Patented CURVED GUIDE to hold lift in line.
3. Patented CROSSED CHAINS lift evenly, no twisting.

CASWELL MANUFACTURING CO. Dept. 110 Cherokee, Iowa



New Crib of the permanent type will be ready for corn on Albert Hanson farm, Pocahontas county, Iowa. This one holds 7,000 bushels. But that's not all the corn raised by Hanson and two sons.

Can Seal Corn In Round Cribs

Ready-Made Cribs and Cribs With Pole Construction Provide Price Protection

IS YOUR corn yield bigger than you thought it would be a month ago? Will your cribs hold the crop?

Many farmers are finding that a bumper corn crop will strain crib capacity. And they are also finding that the market price at husking time is likely to be 'way below the loan price.

What can you do? It's too late to build permanent cribs. How can the corn be stored so the loan price at least can be assured? There are two ways.

1. You can buy ready-made or pre-fabricated cribs. There are various kinds on the market. Some are wood and some are steel. Nearly all, if not all, of them will meet the corn sealing requirements.

2. You can build semi-permanent or temporary cribs. Poles, slat-cribbing and old lumber can be worked into these cribs.

Both original cost and cost per bushel per year should be considered when cribs are selected.

For example, if a ready-made crib costs 50 cents per bushel of capacity, and the crib will last 20 years, the cost per bushel per year is 2½ cents. A temporary crib that cost 20 cents per bushel of capacity would have to last eight years for the cost to be the same.

If you decide to build temporary or semi-permanent cribs, there are several plans which can be used.

What about the ordinary round cribs made of snow-fence? There is a way these cribs can be set up so they will be eligible for sealing corn, says J. J. McLaughlin, of the Iowa PMA committee.

First, the floor must be off the ground. Posts or railroad ties can be placed under the shiplap or ordinary rough boards.

This type of round crib must have ventilation if it is to be eligible for sealing. Two ventilators should run horizontally thru the crib for each ring of snow-fence used. This gets all of the corn within four feet of outside air.

Then the roof of boards or steel should be supported on posts above the corn high enough to give ventilation. Roofs lying directly on the corn have not been approved as yet. Before using this method of roofing, ask your county AAA committee about it.

Corn in this type of crib can be sealed and loans secured. Or you can sign a purchase agreement with AAA.

Some farmers prefer a rectangular crib. You can use poles and snow-fencing for this type of crib.

If the cheapest type of temporary crib is to be built, set poles three to four feet apart. Braces and No. 9 wire should hold the posts firmly. The cribbing can be placed on the inside of the poles.

Ten feet is high enough for cheaply constructed cribs. No crib should be over eight feet wide. The floor could be supported by ties, posts or tile.

Some farmers say they have had good luck laying best grades of building tile on the ground and using it as the floor.

A one-way roof can be laid over this type of temporary crib, using either boards, steel or aluminum.

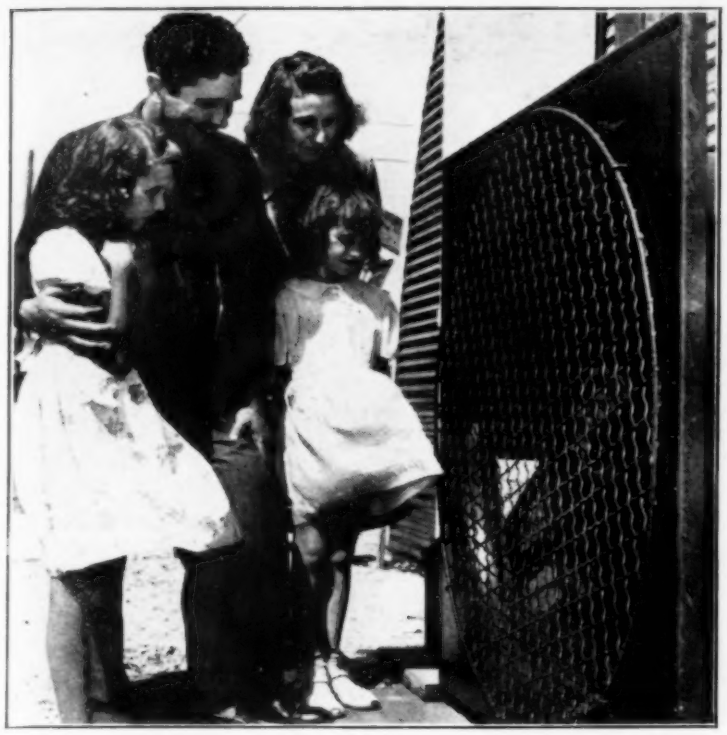
Some farmers may want to build a better crib of poles and cribbing. By spending a little more money, a 20-year crib can be built.

A semi-permanent crib can be 12 feet wide, 12 feet high and any length needed. To get ventilation to the corn, a two-foot-wide ventilator eight or nine feet high is built the entire length of the crib.

This ventilator opening makes the crib six feet wide on each side. At the top, the corn will be four feet deep entirely across the crib. But this puts all corn within four feet of air.

Poles in a crib like this should be 16 feet long around the outside and the two center rows can be 12 feet. Poles should be not more than three feet apart. They should be pressure treated with creosote.

Two-by-eight floor joists should be used, one on each side of the



Corn Crib with built-in drier interests John Weils, at the Iowa State Fair. With him is Mrs. Weils, Marlene 10, and Joan 7. The fan inside the screen drives air thru the corn. Driers make it possible to husk corn early while moisture content is high.

poles, to support the wood floor. A center support under the joists will also be necessary.

The crib must be thoroly braced on the inside, with 1x12 boards in criss-cross fashion. Every alternate pole should have a tie running full width of the crib.

With so much bracing inside, the cribbing probably should be put on the outside. Boards could be substituted for the snow-cribbing at some future time.

The cover can be a gable roof. Either steel or aluminum can be used, or it could be sheeting and shingles.

Cribs similar to the above have given service for 20 years. But for 20 years' service, the farmer must be sure that the poles are good, and the bracing will have to be watched. Pole buildings have a tendency to lean over.

The capacity of a crib 12 feet wide and 12 feet high, with a two-foot center ventilation opening, is about 70 bushels per running foot.

An entirely new type of temporary crib is being built by J. J. Newlin, Polk county, Iowa. His crib is four feet wide at the bottom and seven feet at the top.

Newlin says this type of crib has been used in Pennsylvania for years. It is claimed to allow 25 per cent moisture corn to keep. This type of crib would allow earlier corn picking. Newlin describes it this way:

"Get 26 poles about 14 feet long and strong enough to hold side pressure. Set the poles in rows four feet apart and 30 inches between poles in the same row. Push the tops of the poles out to about seven feet wide.

"Put either snow-fencing or cribbing wire on the inside of the poles. Leave a space along one side below the cribbing to allow corn to run into a drag. Nail lumber on outside of poles in this space."

Newlin says the poles should be tied together securely. Plenty of No. 9 wire will do the job. For a floor, boards will be laid on rows of tile. The roof will be two or three inches of chopped straw. Capacity of the crib is about 22 bushels per foot of length.

No doubt, such a crib will keep corn. You might have to put on a board or steel roof to meet sealing rules. But, with the straw cover, you might feel safe in signing a purchase agreement.

Newlin says the chopped straw has proved that it will turn the water. When the corn is shelled, the straw is blown away with the chaff. If the corn is fed, the straw is hardly noticed.

You could change the plan and build this kind of crib with straight sides, five feet wide all the way up. It would have to be four feet higher to hold the same quantity of corn. But poles could be set three feet or more apart, with vertical construction.

Some farmers might like these narrow temporary cribs. They would be good for those years when we have high-moisture corn. And they would permit a week or two earlier husking in any year.

If crib building plans seem hard to understand, there is still opportunity for farmers in northern Iowa to see a practical demonstration of crib building. The Iowa PMA committee has already held three meetings. Two more are to come.

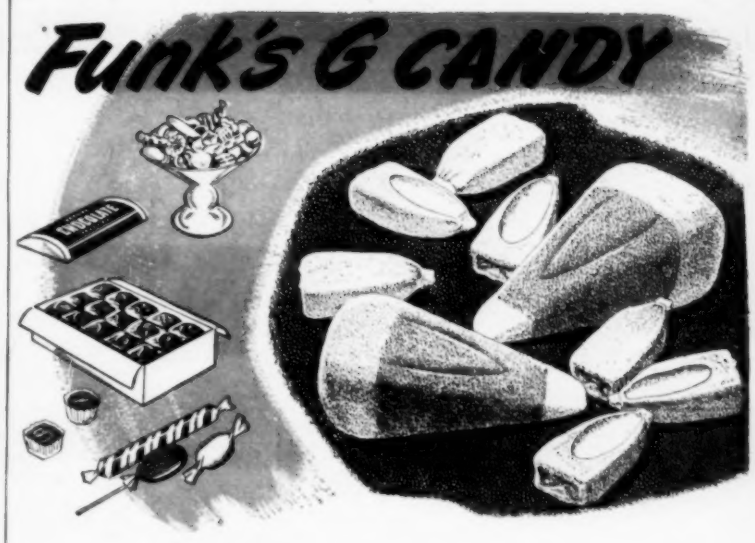
On October 5, at Spencer, Iowa, a temporary crib will be built before your eyes. There will also be ready-made cribs on display. Corn drying will be demonstrated.

A similar meeting will be held by the Iowa PMA committee and the local AAA committees at Clarion, October 7.

The problem before farmers is to get the corn in safe farm storage. Then you can use either the corn loan or the purchase agreement, according to which fits your needs.

If you want to borrow money on your corn, build the crib according to the rules for sealing.

If you want assurance of the loan price, but don't want to borrow money on the corn, make sure that your corn will keep well enough to grade No. 3 next September.



KANDY KORN is only one of many forms in which Americans consume two and a half billion pounds of candy annually. But corn supplies the major ingredients in the 77 varieties of agricultural products that make candy an energy and fun food. Twenty million bushels are used to make the corn syrup, corn sugar, corn starch and corn oil used in making candy. Millions more bushels are fed to the 200,000 cows and one million hens required to produce the milk, cream, butter and eggs used in candy manufacture.

IOWA FARMERS SAY FUNK'S G-HYBRIDS BEST FOR FOOD PRODUCTION

In Western Iowa, Q. McClannahan specializes in selling cream from the breed of cows that made Swiss Chocolate famous. "I grow Funk's G to feed my Brown Swiss cows," McClannahan says, "and I have also, for eight years, grown Funk's G seed fields. This has given me a chance to see how strict the Funk's G producers are in doing a good job of seed growing. I can recommend Funk's G-Hybrids."

George Van Beck owns 160 acres and rents an additional 100 near Inwood, Iowa; a section that supplies corn for wet milling plants to make into starch, corn sugar and corn oil used in the confectionery trade. Mr. Van Beck's favorite corn is G-29, also a favorite for its high yield of oil.

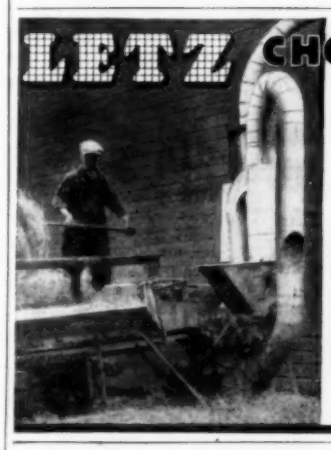
"I can't speak for the other fellows," Van Beck says, "but Funk's G is the best corn for me. It seems like I have always been able to pick more corn from a Funk hybrid than from any other kind. It sure stands well in the field and when you put it in the crib it will keep."

Order Your G-Hybrid Seed Now

More and more farmers are turning to Funk's G-Hybrids each season. You, too, will want the G-Hybrid strains tailor-made for your crop use, soil and growing conditions. See your Funk's G-Man now while selection is complete. Or write for Corn Guide describing outstanding G-Hybrid strains for all sections of Iowa.

FUNK'S G HYBRIDS

FUNK BROS. SEED CO.
BELLE PLAINE, IOWA
AND ASSOCIATE PRODUCERS OF FUNK'S G-HYBRIDS



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Cows and steers prefer LETZ quality feed preparation, "not too coarse — not too fine." They eat more — *produce up to 15% more milk or meat* — give top production with 10% less grain. Learn why.

LETZ STORAGE SAVES REHANDLING

One handling of hay and fodder crops from field to mow makes LETZ a leading labor saver. Chops and *successfully* stores any acreage of hay or fodder.

4 SIZES—22 EXCLUSIVE FEATURES

LETZ separator increases capacity 30% — saves 11% power. Finger-feed saves work. All feed reducing parts concentrated on one shaft. Write for free literature and results of nearby owners.

LETZ MFG. CO., 1033 NORTH ST., Crown Point, Ind.

OIL **TANKS** GAS O LINE

275 gal. oval $42.50—525 gal. $70.00—1,065 gal. $110.00—300 gal. farm tank with stand, hose, nozzle, valves and drum rack $87.50. We handle all sizes. Send check or money order.

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SCHROCK NATURAL HI-TEST PHOSPHATE (32-34% P_2O_5). Potash. Super Phosphate. Mixed Fertilizers. Aero Cyanamid. 11-48-0. Fertilizer Spreaders. Prompt deliveries. Dealerships available in some areas. SCHROCK FERTILIZER SERVICE, Congerville, Illinois.

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Amazing New Modern ONE-ROW PULL-TYPE

CORN PICKER

Gets More Corn at LOWER HARVESTING COSTS!

"The Pick of Pickers"

GENERAL IMPLEMENT one-man PICKER

Write today for details of this new streamlined 1948 model single-row picker. Truly a "one-man" outfit. Improved, simplified, compact design, easier to run, cheaper to operate and maintain. Fewer moving parts. Fewer places to grease. Extra sturdy and rugged, yet light in weight. Built to last longer. In wet or dry fields, it does a faster, cleaner husking job. Husks 8 to 12 acres per day. Don't delay—act now. **Only a limited number available for Immediate Delivery.**

WRITE today for free illustrated folder and low regular list prices.

FARM SUPPLY CO. Dept. W-10, Hamburg, Iowa

Save Your Waste Fat!
It's Still Needed!

Like Many Iowa farmers, Lloyd Rittgers, Polk county, found it easy to start picking new corn for feed in mid-September. He's feeding 187 spring pigs, and has a fall crop of 125 in 14 litters.

Voice of the Farm

Wants World Court For Peace

To the Editor: The United Nations with any part of a veto power is a peace organization in name only.

It might be better to have a new organization with one or more nations and the veto missing, than to have a so-called United Nations with the veto.

The first step toward peace would be for a large majority of the nations to pledge themselves to abide by the decisions of an International Court for each continent, and a higher or World Court for all nations. — Frank Santee, Keokuk County, Iowa.

Do we really want such a plan? Suppose the court decided we should share our atomic bomb with other countries? What would we say then?—Editor.

Says Taxes Require Soil Wrecking

To the Editor: Not only the right, but often the necessity, of wrecking the soil goes with the title.

On Iowa farms, land of equal value may pay from $1 to $6 per acre taxes. Like this:

1. Jones owns 120 acres. He receives homestead and veteran's tax credits. No school, so his district sends the Jones children to a nearby independent school, and this practically eliminates school taxes. His land drains toward the Smith farm, but Jones himself is not in a drainage district, so pays no drainage tax. Jones is getting along swell on a land tax of $1 per acre.

2. Smith, too, owns 120 acres. The farm is his life savings, and is rented out. He gets neither homestead nor veteran's exemption. His farm is one of the few in a town independent school district. His school tax amounts to confiscation, as Smith has to help educate kids from half a dozen adjoining districts without any schools. Then, too, Smith is stuck with drainage taxes. . . .

Smith has to bleed his land to death to pay his taxes. Is he a skunk who should be locked up?—John P. Kelly, Pottawattamie County, Iowa.

Mr. Kelly puts up a good argument for more state aid for schools. Local tax situations do make it hard for some owners to deal fairly with the land. Now let's hear from Jones.—Editor.

Hopes Corn Price Tumbles

To the Editor: I sure get disgusted about the way you worry over the price of corn going down.

Ever since the New Deal guaranteed the grain farmer more for his grain than it was worth, you have made thousands of dollars for the already rich landlord so he could buy another farm each year.

You have discouraged the small man from increasing his livestock —also some of the larger feeders. That is mainly the reason we are short on all kinds of meat.

One day, you tell us to increase our hog business. Then, in the next breath, you want to peg the price of corn so there is no profit in feeding.

Why shouldn't corn come down to $1 when it will make around 70 to 80 bushels per acre?—Adolph Totemeier, Henry County, Iowa.

We agree that somewhat lower support prices might not be a bad idea. But since congress (Republican-controlled) voted to extend the present corn loan, it's only smart to line up enough storage space to take advantage of it. Would you sell corn for $1 if you could get $1.40?—Editor.

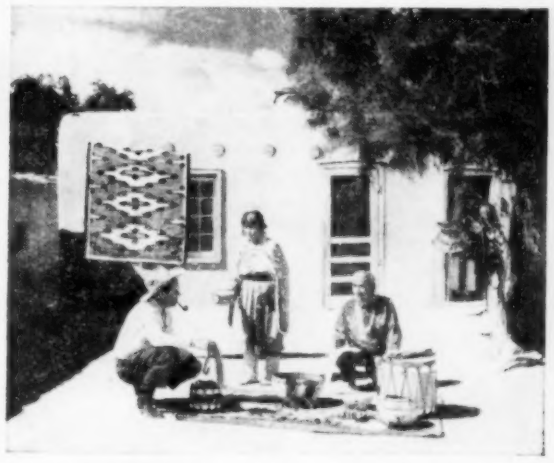
JIM YOUNG'S Smart idea!

Old Jim Young sells the snap and crackle of mountain grown apples by mail!

"THE IDEA WAS BORN in the Jemez Mountains of New Mexico," relates Ford Truck user Jim Young. "In a canyon there, I noticed one old apple tree with fine looking apples on it. A Spanish fellow told me he had picked fruit from that tree every fall for twenty-odd years. Figuring this was a good frost-free spot, I cleared and terraced the land, dug irrigation ditches, set out apple trees. Ford Trucks were a big help in getting my idea started. They still are!"

JIM YOUNG and son Webb (left) discuss a proposed mail order advertisement. "Every bite crackles . . . and the juice runs down your lips" is typical taste-teasing Young claim. Mail order selling of apples was first tried by Young in 1941.

PACKED AS FAST as picked, under Jim Young's personal supervision, the cartons of apples are trucked immediately to the express office for fast delivery.



APPLES BY MAIL is only one of the Young ideas. Here son Webb trades with nearby Indians for the hand-woven neckties, silver work, and other handicrafts which have also made the Youngs' smart mail order selling a substantial success.

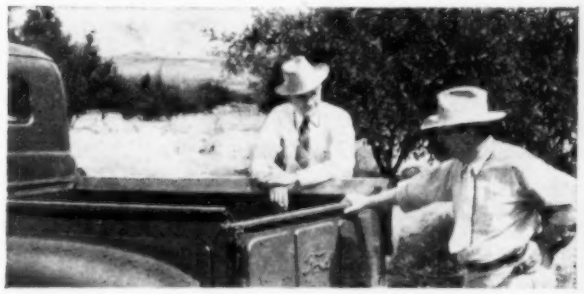
JIM YOUNG'S Smart move!

He selects Ford . . . the Bonus Built Truck, to do the hauling in his business. Smart move! Smart business!

NEW FORD PICKUP TRUCK is demonstrated to Young by Ford Dealer, Joe DuBois of Santa Fe. "If this truck can stand up and take it like the older Fords," says Jim, "it's a mighty fine piece of machinery." Replies Joe DuBois, "There's no reason why it shouldn't stand up even better than the old jobs. It's built stronger. Every one of over 139 Ford Truck models is built with big strength-reserves which extend truck life."

THE COCHITI INDIAN truck driver and Jim Young admire a smart idea in Ford Truck engine design. "Locating that Sealed-Dry distributor high up on the engine so water can't get at it when a truck splashes through one of our running arroyos is a smart idea," observes Jim Young.

"THIS AIR WING VENTILATOR in the door glass is practically a Ford Truck exclusive," says Ford Dealer Joe DuBois to Jim Young. "It's *standard* on Ford Trucks, but you can't get it for love or money on 9 out of 10 other new trucks."



"IT'S A BIGGER BODY than it looks," says Jim Young. "For our orchard work and our Indian trading it's just what we need. And I like that all-steel floor, too." "Yes," replies Joe DuBois, "any way you look at it Ford's the smart move for any load. It'll take the punishment on these mountain roads."

JIM YOUNG'S Smart bet!

FORD TRUCKS LAST LONGER

Using latest registration data on 5,444,000 trucks, life insurance experts prove Ford trucks last longer!

For quicker starts, smoother sailing

AS ANY WITCH CAN TELL YOU, quick get-up-and-go is mighty important this nippy, Halloweenish weather. *That applies to cars, too.*

Change now to Quaker State *Cold-Test* Motor Oil for summer-quick starts and smooth winter performance. It's skillfully refined from the world's finest crude oil, 100% pure Pennsylvania grade.

40¢ per U. S. Quart including Federal Lubricating Oil Tax

QUAKER STATE OIL REFINING CORPORATION, OIL CITY, PA.
Member Pennsylvania Grade Crude Oil Association

Workday Pointers

YARD FENCES should be checked and all broken posts replaced before the ground freezes.

▲ ▲ ▲

ODD JOBS around the farm, that are left until after bean harvest and corn picking, may not get done.

▲ ▲ ▲

SOYBEANS push hard on the sides and floors of bins. Bins should be braced well and then watched after being filled.

▲ ▲ ▲

FARMERS who have big board piles, old slat cribbing and timber for poles can build temporary corn storage very cheaply.

▲ ▲ ▲

QUICK CHANGES from oats and old corn to all new corn may throw pigs off-feed. Even if the corn is quite hard, the change should be made very slowly for steady gains.

▲ ▲ ▲

THIN STANDS of blue grass will thicken up from the roots if given time. But a little blue grass seed will speed up the process.

▲ ▲ ▲

COMBINING BEANS can start at 14 per cent moisture. For placing in bins on the farm, 13 per cent is a safer moisture content.

▲ ▲ ▲

IF PIGS RUN under corn cribs supported by brick or blocks of any kind, the foundation should be checked before the crib is filled with corn.

▲ ▲ ▲

MOISTURE CONTENT of beans is greatly increased by dew or frost. If you begin combining too early, you will have a load of wet beans mixed with the dry ones.

▲ ▲ ▲

PULLETS, if healthy and well fed, should begin laying at five months, says J. H. Claybaugh, of the Nebraska College of Agriculture. At six months old, pullets should reach 50 per cent production.

▲ ▲ ▲

EARLY PICKING of corn saves waste. Storms may blow ears off the stalks, or break the stalks over, especially in corn borer infested fields. But cribbing corn with more than 20 or 21 per cent moisture is more risky than letting corn stand in the field.

▲ ▲ ▲

THIN-SHELLED EGGS may be caused by lack of calcium or of Vitamin D in the laying hens' rations. Oyster shell or limestone will provide the calcium. Cod liver or Vitamin D oils should be provided in the feeds. If these feeds do not produce good shells on the eggs, an inherited characteristic may be the cause. Nothing can be done for that.

▲ ▲ ▲

FALL PLOWING on bean land may not increase the tendency to wash as much as it does on stubble land. Bean land is already open. The soil on top is very fine, and goes into solution easily. Plowing may turn up clods and provide a deeper bed for water absorption. On stubble land, there is a good cover. Therefore, if you plow up sloping land this fall, it might better be the bean land than the stubble.

POLES bought for temporary crib construction can be cut into fence posts if no longer needed for temporary cribs.

▲ ▲ ▲

PASTURE improvement is speeded up by disking up or plowing sod-bound blue grass this fall and applying lime if necessary.

▲ ▲ ▲

MIXED ALFALFA and brome hay will make good meal for pigs if the hay is fine-stemmed, leafy, and has a lot of green color.

▲ ▲ ▲

SMOKE-PIPES and chimney-tops should be checked over coal or wood burners before winter sets in. Farm houses are a long way from help when fire starts.

▲ ▲ ▲

FARM MACHINES need grease in the winter season. All polished parts should be covered with heavy grease or paint. Bearings should be pumped full of grease to keep out moisture and dust.

▲ ▲ ▲

THERE'S DANGER in ladders that are kept around the farm and used only now and then. The

rungs or side-bars may be rotten. A careful examination and a repair job may save an accident.

▲ ▲ ▲

CATTLE that are to be fattened for market should not be allowed to lose flesh on short pastures. It takes less feed to keep the flesh on than it takes to replace it.

▲ ▲ ▲

IF THE ROAD from corn field to crib can be arranged so corn will not have to be hauled thru yards filled with livestock, a lot of time will be saved. It might even pay to build a new gate or put up temporary fences.

▲ ▲ ▲

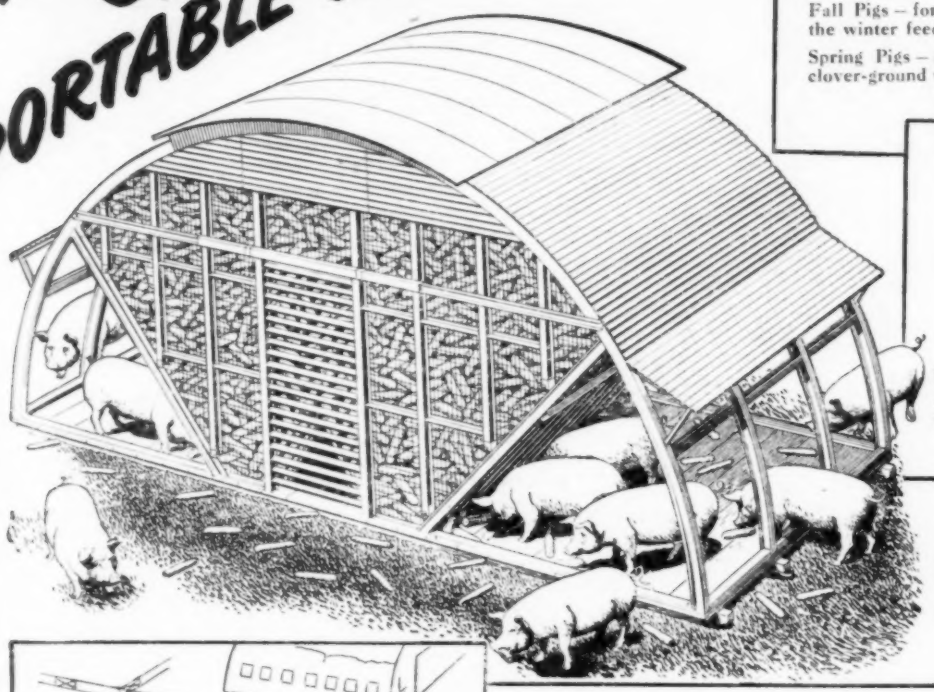
UNTHRESHED PODS in the bean straw calls for more cylinder speed or less clearance between cylinder and concaves; cracked beans in the truck or wagon means there is too much cylinder speed or too little clearance. Good combine operators try for the in-between adjustment.

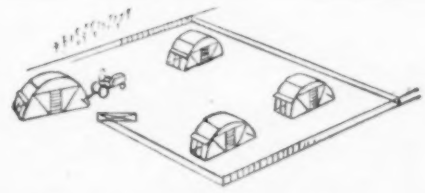
▲ ▲ ▲

A BUZZ-SAW is used first when Vincent Jochum, Antelope county, Nebraska, makes meal out of baled hay. He found the bales hard to tear up and get into the grinder. Here is the method: "We took the tilting table off the buzz-saw and placed a V-trough of 1x12's twelve feet long over the blade. We place one bale in the trough and take the next one and push it thru. A 36-inch blade works best, but with a smaller one the bale can be turned over and run thru again." No doubt, split bales would tear up much easier.

Eliminate 90% of the work of feeding corn to hogs...

with a QUONSET* 20 PORTABLE CRIB FEEDER

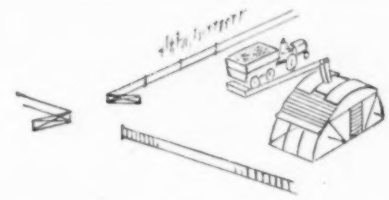




STORAGE—PREPARATION (September-October)

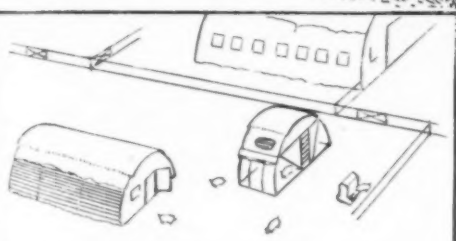
Fall Pigs—for each 40 pigs, move one crib-feeder into the winter feeding lots.

Spring Pigs—move the Crib-Feeders to clean stubble clover-ground where next year's spring pigs are to be fed.



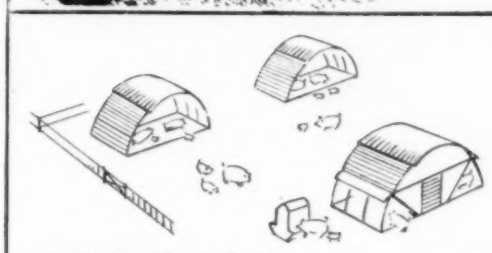
FILLING CRIB-FEEDERS (October-November-December)

At harvest haul corn direct from picker to the crib-feeder. Use portable elevators to fill.

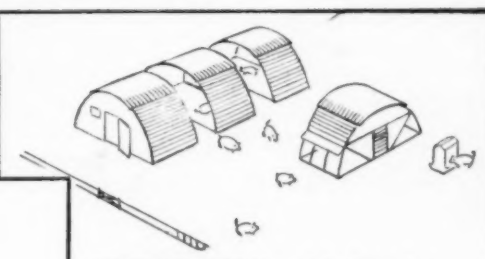


WINTER FEEDING (Dec.-Jan.-Feb.-March)

Turn the fall shoats to the Crib-Feeders and let them feed themselves on a clean platform. Balance the corn with a small feeder containing protein supplement, alfalfa meal and minerals. Locate crib-feeder close to Quonset 20 hog house.



SPRING FEEDING (April-May) Let the ear corn crib-feeders feed the sows and their new litters while up on a platform out of the mud. Build creep-on feeders for pigs if controlled feeding of sows is desired. This allows hogs to balance their own ration as for winter feeding procedure.



SUMMER FEEDING (June-July-August)

Full feed shoats for early market for highest prices in August and September. The crib-feeders will feed the corn. Place protein feed and minerals in small portable feeders. Locate crib-feeder close to shade of Quonset 20 hog houses.

This crib-feeder puts an end to the chore of feeding corn to hogs twice a day. By filling the portable crib-feeder directly from the harvest field you add 500 bushels capacity to your crib storage space and provide a self-feeder as well. You can haul the crib-feeder to any pasture or field before filling it.

Hogs can then feed themselves from the crib-feeder throughout the normal fattening season without further attention. The Quonset 20 will feed 50 to 60 200-pound hogs or as many as 150 smaller hogs for the season.

Your hogs get clean, dry corn from the crib-feeder without wasting it. Sanitary conditions are improved and that makes healthier hogs. Moreover, the Quonset 20 gives all hogs an equal chance at feeding.

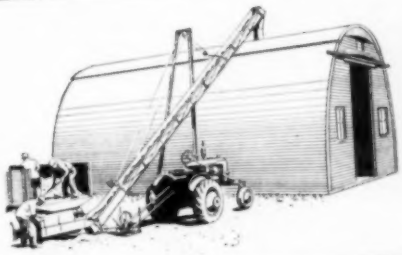
Your costs are lower, too, because feed processing—shelling, grinding and mixing—is unnecessary.

The crib-feeder is a tough and durable "farm tool" but it is light in weight and can be moved easily by tractor to any field or pasture to meet seasonal requirements.

A Quonset 20 Portable Crib-Feeder is constructed of Stran-Steel framing to which the exterior steel covering *is nailed*. Ask your nearest Quonset dealer to give you full details about this new "farm tool" for reducing labor and increasing profits for pork producers, or write us for your dealer's name.

QUONSET 32 CORN STORAGE AND CONDITIONING BUILDING

Here is a single, simple unit that stores up to 5000 bushels of ear corn and provides forced-air circulation for conditioning. Removable roof sheets permit fast elevator loading. Air tunnel is used for sheller drag line. The Quonset 32 Corn Storage and Conditioning Building is erected fast, at low cost, to give you a modern farm tool for increased corn profits. Ask for full information.



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- **FLAME-SEALED AGAINST RUST**
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GENERAL OFFICES • KOKOMO, INDIANA

Producers of— 15 types of Farm Fence, Posts, Gates, Barb Wire, Nails, Staples, Lawn Fence, and Wire Products.

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HORSEHIDE HANDS

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WOLVERINE SHOE and TANNING CORP. ROCKFORD, MICHIGAN

Calf feeding and handling methods have a lot to do with the kind of milk production you'll get later on. Gerald Pearson, Polk county, Iowa, has these two-month-old Guernseys off to a good start.

Slow-Starting Calf Makes Poor Cow

Don't Starve Your Young Stock—But Don't Short-Change Them On Roughage, Either

HOW do you raise your dairy calves? Do you ignore them or pamper them?

On some farms, you can see heifers that look as if they "just growed" — like Topsy. Usually they're thin and stunted.

But too much pampering is not good for the future dairy cow, either. At least, it's not economical.

Most dairy calves, after a day or so with their mothers, are hand-fed.

"Pail" calves may look pot-bellied for a while. But they can grow out to be just as good producers as the show heifers raised on nurse cows. And their expense accounts will be lower.

Some farmers like to keep their calves off pasture the first summer. T. J. Andersen, Black Hawk county, Iowa, does not turn his heifers on grass until they're a year old.

"The heat and the flies and the green grass are hard on calves," says Anderson. "And this way they stay away from grubs, too."

DDT might knock out part of that argument. But it's true that a calf up to four months of age can't make much use of pasture. And calves turned onto lush pastures are apt to scour—unless you get them used to it gradually.

Clifford Knight, of Linn county, Iowa, thinks eight or nine months the best age at which to give heifers their first chance at grass. This is the age recommended for 4-H heifers being prepared to show, he explains.

Knight likes fall calves best. Then the next summer, when they are nine months old, they hit the pasture after it has passed the washy stage.

Sunshine is good for all except very young calves. It supplies Vitamin D, to prevent rickets. But whether on pasture or dry lot, calves need access to shade. And don't forget water, salt—and a simple mineral mixture—in case their roughage is lacking in phosphorus or lime.

The early months of a calf's life are the most critical. "It's how you feed 'em and take care of 'em then that counts," says Fred Metzger, Lyon county, Iowa. Metzger is careful not to overfeed his Jerseys. Five to eight pounds of whole milk, divided into two or three feedings, is enough for a calf at the start.

Andersen feeds his Holsteins whole milk until they are two months old, then changes to calf meal. Knight continues whole milk for his Guernseys to four months, altho the last two weeks they may get only a pound or so per feeding. By that time, he is graining them on his regular cow mixture.

Knight and Andersen both market whole milk. "If I had skim-milk, I'd feed it up to six months or more," says Andersen.

A calf will take to grain and hay very early — before it's two weeks old. For the first two or three months, the calf should have all the grain it will clean up. Oats, either whole or ground, figure in nearly every ration.

Andersen starts with whole oats, changing later to equal parts (by weight) of oats and corn. At about six months, he changes to a ground feed mixture of 200 pounds of oats, 200 pounds of corn and cob, and 100 pounds of linseed or soybean meal. You'll remember his calves were getting calf meal at the start, too.

Adding linseed meal or bran makes a calf's ration more palatable. These feeds add protein, too. Calves like ground feed best if it is fresh.

Whatever the ration fed, it pays to keep the troughs and the milk buckets clean and sanitary. All calf raisers agree on that.

All agree, too, that growing

Don't starve 'em — or pamper 'em, either. That is the secret of raising good calves.

calves need plenty of hay. That's why you must limit grain feeding after the third month. From then until 12 months, hold down the concentrates, depending upon the quality of roughage. If the amount of legume hay in the roughage is low, the grain mixture must be higher in protein.

Opinions differ on feeding legume hay to calves. Andersen prefers first-crop timothy and clover hay. "Not alfalfa," he declares. "It seems too rich, and it will cause more scouring."

Knight will feed alfalfa, but prefers a mixture; it prevents getting too much rich hay at a time.

"For dairy cattle," Knight says, "the more roughage you can get into young stock, the better." That's why he figures that cow feed, with its corn-and-cob meal, is not too bulky for his calves.

Some object to silage, especially before four months. It tends to cause scouring; but in the winter ration of older heifers will help them gain.

"After a heifer is nine months old," says Knight, "I don't think there's any need of grain. The 4-H boys use grain to put on a finish, but you can overdo that."

For summer rations, his nine-month heifers are allowed just pasture. But it must be good and plentiful. The calves are wintered on corn silage and alfalfa hay.

Some authorities recommend continuing grain until the heifer is 12 months old—or later, if quality of roughage is poor.

F. F. Campbell, Black Hawk county, Iowa, had an example of how heifers look with and without grain. One 15-month heifer had been getting grain. She was larger and sleeker than her sister Ayrshires, which were on grass alone.

Campbell's younger calves run on pasture, but are put in night and morning to get grain and hay.

"It is possible to get your heifers too fat," Campbell agrees. "But three or four months before calving-time we start grain on all our heifers. We want them to be in good flesh when they come into production."

Never starve your young stock. But let them get that extra feed in roughage instead of grain. That is the principle back of raising profitable dairy heifers.

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2-Buckle Sanslip—The stickiest mud can't pull it off. Extra tough rubber for long wear.

I'm a farmer

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"It took me a lifetime to own this farm of mine but I could have lost it in the second it took that car to crash into my cows that were lost on the highway. As it was, the Allied Mutual home-town agent quickly saw that the folks who hit my stock were paid in full . . . and I even got a check for the cows that were killed.

"This insurance against the big dangers that can bankrupt you, my Allied Mutual agent advises. Owning a farm is risky business, what with accidents which can happen to hired men or to visitors on the farm or by livestock or tractors and such on the highways. The home-town Allied Mutual Agent knew what I needed and he sure gave me service when I had a claim."

FOR THE PRICE OF A FEW BUSHELS OF CORN, YOU MAY SAVE THE COST OF YOUR FARM

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ALLIED MUTUAL CASUALTY COMPANY
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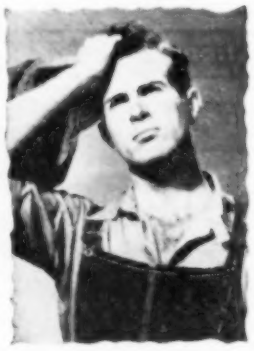

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A WALLACE-HOMESTEAD POLL

HOW SHOULD WE DEAL WITH RUSSIA?

"What do you think of our present policy in dealing with Russia? Check the statement with which you most nearly agree?"

1—I approve it. By backing up our position with military force now, we'll show Russia we mean business and save trouble later **54%**

2—I'm doubtful. We might scare Russia out, but we might get into war **26%**

3—I'm against it. Our present foreign policy is leading us into World War III **20%**

Should Draft Act Be Repealed?

What Do Iowa Farmers Think of Military And Foreign Policy of the United States?

IOWA congressmen voted against the draft bill, but about half of Iowa farmers think it's all right.

About one-fourth say the draft act should be repealed. The rest aren't sure.

So far, the draft hasn't meant much to farmers. Few men are being taken from rural counties. But farmers remember World War II, and some of them are worried.

Men vote heavier—27 per cent against the draft—than do women—20 per cent. Maybe the man worries more about the labor shortage.

Young folks, including GI's who are willing to see somebody else take the rap, favor the draft more than old folks. The vote goes like this:

	Age Groups		
	21-29	30-49	50, up
Keep draft	63%	51%	48%
Repeal it	21%	23%	28%
Not sure	16%	26%	24%

One veteran in Palo Alto county said: "I hate to see our boys drafted. I spent many months in service myself. But I suppose we must be prepared."

A farmer in Johnson county mentioned his three sons of draft age, and added: "We need our farm boys at home, but I feel we must be prepared. I'm sure that the draft is going to take my boys."

A Black Hawk county farmer said: "I'd say to keep the law if the age was raised to 21. But 19 is too young."

A farm woman in Cherokee county declared: "Keep the draft. Some of these young boys might as well be in service as drinking and tearing around nights as they do."

Another woman said: "My husband served four years. So I know how women feel when their husbands and sons are taken. But I say it's no more than fair for them to take the bitter pill I had to take."

Republicans were more inclined to favor repeal than were Democrats. This is how the vote split:

	Rep.	Dem.
Keep draft	42%	61%
Repeal it	32%	20%
Not sure	26%	19%

A young farm woman in Bremer county had personal reasons: "I'm not in favor of it. I'm afraid my husband might have to go before they get thru."

An old farmer in Adair objected, too: "Better repeal it. Nations that go armed to the teeth are bound to get hungry."

Another elderly farmer in Fayette county said: "The old countries have always been preparing for war, and have always been fighting. Why should we follow their example?"

An Appanoose county farmer commented: "There are a lot of idle boys who would be better off trained for something. But maybe not to fight."

But the majority of those interviewed lined up with the farm woman in Woodbury county, who said: "We should draft young men

Draft age, but thinks we'd better keep the law. Willis Dirks, son of farmer, Jones county, Iowa, is doubtful about our present foreign policy. He fears it may get us into another war.

Repeal draft is way Mrs. C. F. McFarland votes. She is 71, has spent all her life on Iowa farms. She expects to vote for Dewey, Beardsley and Wilson.

Keep the draft is view of Mrs. Ray Youngblut, of Blackhawk county. Mrs. Youngblut also votes for the present U. S. foreign policy. She's a Republican also.

for service, so that we would always be prepared for war."

Another question in the Wallace-Homestead Poll dealt with the present foreign policy, "Get tough with Russia." Here, over one-half approved the present foreign policy. One-fourth was in doubt. One-fifth thought our present policy was headed straight for World War III.

The only presidential candidate who is against present foreign policy and for repeal of the draft is Henry A. Wallace. But farmers of Iowa, in a poll reported September 18, gave him only 4 per cent of their votes.

Republicans were more critical of foreign policy than Democrats. The vote divided as follows:

	Rep.	Dem.
For present policy	47%	61%
Doubtful	28%	22%
Against it	25%	17%

Women were more critical of the present foreign policy than were men. Older farmers had more doubts about it than younger ones.

Only 17 per cent of Farm Bureau members thought foreign policy was leading us to World War III, while 24 per cent of nonmembers felt that way.

A farmer in Chickasaw county was warlike: "We should have clamped down on Russia before. I'm in favor of doing it now. She has gone far enough."

But a woman in Audubon county said: "I don't think we should withdraw from Berlin, but I don't want to break the blockade by force. This is something that we should settle by diplomacy."

A Bremer county woman said: "I think we'd better let Russia know who's boss right now. The sooner, the better."

But a Bremer county farmer insisted: "We don't want war. We made money in the other war, but what have we got now? Inflation, high prices. That's no good."

"How can we know what should be done?" asked a Kossuth county woman. "All we know is what we read in the papers and hear over the radio."

A Union county farmer said: "I would make Stalin say 'Yes' or 'No.' If we are going to have war, just as well have it now."

But a younger farmer differed: "If we knew all the facts, we might feel different. I don't believe in starting anything, and I don't think that Russia will bluff easily."

"If we knew the answers, we ought to wire them to Washington. I don't. All I know is, farmers don't want war." — Appanoose County.

A farmer living in Adair county summed up for the majority: "I think we'll have to have a showdown with Russia. If we put it off, they'll get stronger and braver."

"Old Joe is going as far as he can. It's time to quit coddling him and give him the same he dishes out for everybody else."—Audubon County.

"War is slowly coming, and we won't be able to avoid it."—Cherokee County.

"I feel sure we are headed for war, and I think we should stop it before it is too late."—Bremer County.

"We have to guess at what national policy is best, so I figure we'd better be prepared for the worst."—Appanoose County.

"You know, if we prepare for war, we'll probably have a war. Yet I'm afraid of Russia, too."—Union County.

"I don't like our present foreign policy. I'm afraid we still have people in high office who think more of the profits of war than about doing something to promote peace."—Audubon County.

"I think that the United States should be more firm with Russia. We shouldn't let Russia do so much of the telling."—Mahaska County.

"I don't think we ought to fool with Russia, trying to toady to her. Russia says she doesn't understand us. Maybe so, but we don't understand her ideas, either—and we don't like them."—Appanoose County.

"I think we should show Russia we mean business and get it over with."—Union County.

FOR DRAFT?

"Do you think the Selective Service Act . . . should be kept by the new congress or repealed?"

Keep draft	53%
Repeal it	24%
Not sure	23%

Older farm people—at the right age to have boys 18 to 25—showed most opposition to the draft. Of this group, 28 per cent voted for repeal.

Politically, the vote for repeal stood:

Republicans	32%
Democrats	20%

You should SELECT your anti-freeze

by don herold

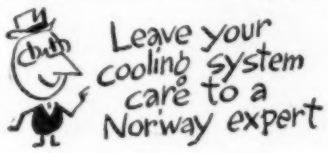
The past few years, the problem has been to get any old thing you could find to put into your radiator to sorta prevent freezing.

But now you should call your shots.

For instance, CSC makes two excellent anti-freezes of different types—both good. I'll describe 'em briefly and briskly.

THE ECONOMICAL TYPE

First, there's NOR'WAY*—the most economical anti-freeze I know. It not only



costs little, but takes less than of any other type to protect your radiator against freezing. It has a methanol base—is practically odorless—does not make your car smell as if it were on a binge. It lasts long because it contains an ingredient that helps to reduce evaporation losses. And it contains an effective anti-rust.

A PERMANENT TYPE

Then there is PEAK*, for motorists who prefer a permanent type anti-freeze. PEAK is guaranteed to last all season in a properly prepared cooling system—won't seep—circulates freely—embodies an efficient anti-rust—won't hurt rubber or clog radiators . . . great stuff.

PREPARATORY AIDS

But, in preparation for winter anti-freeze, you should get a good service man to tighten hose connections, check the thermostat, and use NOR'WAY CLEANER or NOR'WAY QUICK FLUSH to purge the system of rust, scale and oil. And have him use NOR'WAY STOP LEAK to seal any leaks so you won't lose your anti-freeze.

Behind your service man stands Commercial Solvents Corporation with its extensive laboratories in which these excellent cooling system preparations have been perfected for your radiator's pleasure and your profit.

$3.50 per gallon

*Reg. U. S. Pat. Off.

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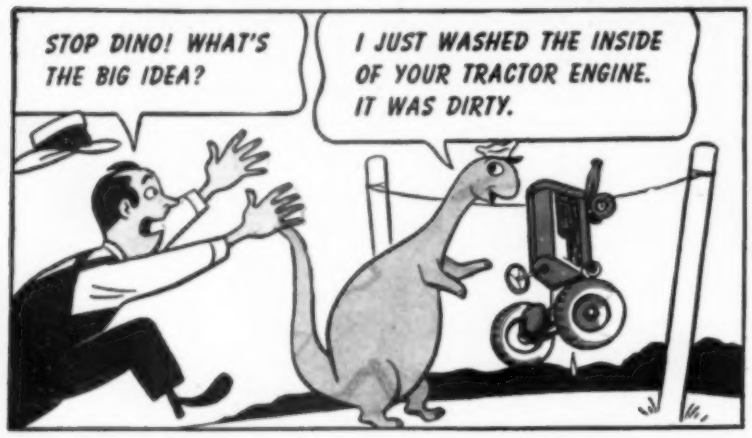

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Radio in the barn is just one of the minor joys provided by electricity on the farm. Mrs. J. R. Shoup, Tama county, Iowa, tunes in some soft music before milking—which is also done by electricity.

Test Supplements For Steers

Nebraska Feeding Trials Compare Dried Alfalfa Meal, Urea, With Soybean Meal

BOTH alfalfa meal and a chemical compound called urea were found to be economical protein supplements, within limits, for yearling steers in tests at the University of Nebraska.

It's easy to see why Nebraskans were interested in alfalfa meal as a protein supplement. The alfalfa dehydrating industry is important there. Alfalfa hay is too bulky to provide enough protein when fed with corn silage and corn.

But dehydrated, pelleted alfalfa meal worked out fine.

Under the supervision of M. L. Baker, V. H. Arthaud and Ellis Ruby, eight lots of 10 yearling steers were fed for 140 days. All lots had a full feed of corn silage and ground ear corn, with one-tenth of a pound of steamed bone meal daily, salt, water, but no hay.

In addition to the same basic ration, the eight lots received protein supplement as follows (all supplements in pellet form):

1. One and one-half pounds of soybean oil meal.

2. Two pounds of a mixture of equal parts by weight of soybean oil meal and dehydrated alfalfa meal.

3. Two and one-half pounds of a mixture of one part soybean oil meal and four parts of dehydrated alfalfa meal by weight.

4. Three pounds of dehydrated alfalfa meal.

5. One and one-half pounds of dehydrated alfalfa meal.

6. One and one-half pounds of a mixture of the supplement fed to Lot 2 plus enough urea to provide the same nitrogen level as that of soybean oil meal.

7. One and one-half pounds of a mixture of the supplement fed to Lot 3 plus enough urea to provide the same nitrogen level as soybean oil meal.

8. One and one-half pounds of a mixture of dehydrated alfalfa meal with enough urea to provide the same nitrogen level as soybean oil meal.

There was little difference in rate and economy of gain between the various lots. All were considered satisfactory. All steers sold at the same price. Most of them dressed right at 60 per cent.

One way to rate a supplement, as long as it is satisfactory from the standpoint of rate of gain, is to see how much other feed a unit of the supplement saves.

On an average, each ton of pelleted alfalfa meal fed in Lots 2, 3 and 4 saved 1,196 pounds of oil meal, 25.3 bushels of corn and 1,013 pounds of corn silage, compared with Lot 1.

Urea results can be checked in Lots 6, 7 and 8. The urea added to alfalfa made possible a higher protein content with less bulk. "Two-sixty-two" was the urea feed compound used. It contains 42 per cent nitrogen.

Urea is poisonous if fed in large amounts. It should not be fed to hogs or to poultry.

When used to supply protein to cattle or sheep, the nitrogen feeds bacteria in the rumen (first stomach) of the animal. These bacteria then convert the urea nitrogen into complex proteins.

In Lots 6, 7 and 8, where urea was used with soybean oil meal and dehydrated alfalfa meal, the following replacement values were found for urea and alfalfa meal:

Comparing Lots 6 and 1, a ton of alfalfa meal plus 211 pounds of "2-60-2," was worth 2,551 pounds of soybean oil meal, 1,478 pounds of ear corn and 2,193 pounds of corn silage.

Comparing Lot 7 to Lot 1, a ton of alfalfa meal, plus 217 pounds of "2-60-2," was worth 2,551 pounds of soybean oil meal, 1,478 pounds of ear corn and 2,193 pounds of corn silage.

Or you can compare Lots 8 and 5 for the value of 100 pounds of "2-60-2." That saved 191 pounds of dehydrated alfalfa meal, 1,020 pounds of ear corn and 601 pounds of corn silage.

OUTSIDE STUFF

IT SEEMS only last week I was taking pictures of new-born spring pigs, and here it is time to be thinking about a good boar for 1949 pigs.

• • •

DAYS, months and years slide by too swiftly for some of us, but not for youngsters. In our family, little Jennifer Jo wants each day to "hurry up" so she and Lynda Louise can get bigger and go with me on the train to Chicago, to the State Fair, to visit farmers and see cows and pigs, to stay at night in a hotel, and to the office.

• • •

SURELY, I didn't promise all of those trips! I can't get used to the fact that my daughters are thrilled at the sight of cows and pigs. I'd prefer them to be used to cows and pigs and scared of street cars, like I was.

• • •

I'M STRICTLY an October guy. For some reason, I think Iowa's October weather is tops. Summers and winters may not be too nice here, but it's hard to beat the nippy nights and warm, sunny days of October.

• • •

I DIDN'T suppose farm animals ever died from bee-stings. But Kenneth Sells, Page county, Iowa, told me about losing a calf that way. His veterinarian said he expected about one case of animal death from bees each summer.

• • •

ON THE subject of bees, what happens when you plow out a nest of bumble-bees with a tractor? I know you can have a minor rodeo when you turn up a nest of bumble-bees with six horses on a gang plow. Probably it's a lot safer, but not as exciting, to plow them out with a tractor.

• • •

ONE time, I plowed a piece of sod late in the spring. The field had been seeded down and pastured for 10 or 12 years, and was full of huge gopher mounds. About twice each round, I'd turn out a big bull-snake that had been raiding the gophers. You keep your feet high up on the levers when you do that.

• • •

DON'T slip up and become less efficient this fall just because feed is more plentiful. Use plenty of an adequate protein mixture, minerals and salt. Especially for those fall pigs. That's always good business.

• • •

ONE farmer told me: "I farmed the easiest I ever have this summer." I asked him what he meant, and he said: "I didn't have any weeds to mow. I sprayed all my fence rows and lots when the weeds were about a foot tall. That really cooked them."

• • •

ALONG with your other fall chores, don't overlook the rats. Rat-proof your buildings as much as you can. As the rats move in from the fields, feed them some unpoisoned bait for three or four nights, then poison them.—W. D. Inman.

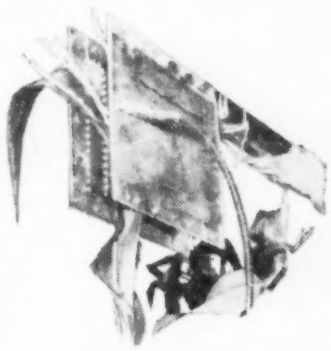
DeKalb builds BETTER HYBRIDS through New Scientific Research

To bring you better hybrids next year . . . still better hybrids in the years to come, DeKalb carries on a vast, never-ending program of corn breeding research. Every new scientific discovery that can be applied to the cornfield is tried. Development of new hybrids is speeded by winter operations in Mexico. Below is some of DeKalb's latest research designed to bring you *even greater yielding corn*. The DeKalb Agricultural Ass'n., Inc., DeKalb, Ill. Commercial Distributors of DeKalb Hybrid Seed Corn.

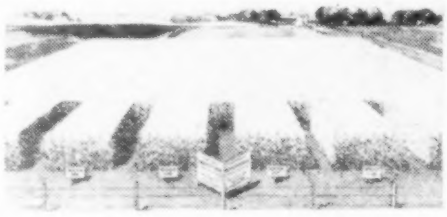
(Left) Big-rooted, cold and drouth resistant corn from high plateaus of Mexico was transplanted in Illinois last spring by DeKalb corn breeders. It is being inbred by DeKalb for future crosses to develop bigger-rooted, more drouth and cold resistant hybrid varieties for you.

A revolutionary theory in corn breeding that may boost present hybrid corn yields 10% or more, is under test by corn breeders on DeKalb's winter research farm in Mexico (below).

(Above) Anhydrous ammonia, liquid nitrogen fertilizer, forced into the soil under pressure thru tubes and nozzles attached to a corn cultivator. (For photo, tubes have been withdrawn from the soil.) Liquid nitrogen fertilizer for corn is being tested by DeKalb this year in some hybrid seed production fields. If these tests are successful, its use may lead to bigger corn yields for farmers.



Bombardment of corn tassels by high frequency "death rays" is being tested by DeKalb to increase detasseling efficiency in hybrid seed fields. The experimental high frequency machine (below) is wheeled down corn rows directing the "death rays" at corn tassels (above). If practical, this type of machine could eliminate the present method of detasseling female corn rows by hand.



New hybrids are put to final test in County Proving Grounds (left). Here you see DeKalb perform under your own conditions. There is a Proving Ground like this in nearly every county where DeKalb Corn is grown.

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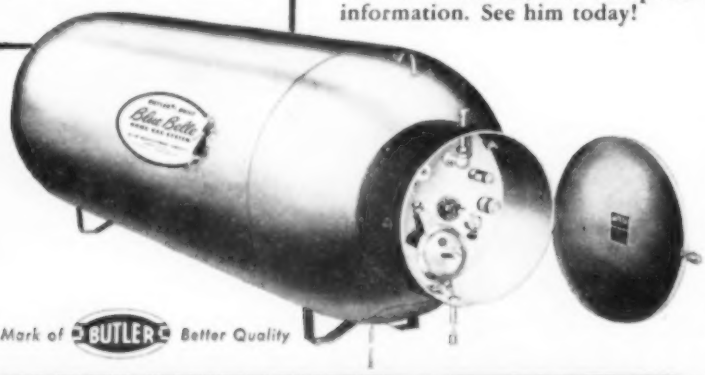

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Natives of Guatemala use primitive tools to cultivate corn. Iowa State College scientists expect, however, to find valuable strains of corn thru research work in that Central American country.

Guatemala Corn May Improve Hybrids

Iowa State College Tropical Research Center Expects To Find Many Valuable Combinations

IOWA does not have a monopoly on tall corn. Corn down in Guatemala, in Central America, also reaches the 12-foot mark frequently.

Guatemala is unique among the corn-growing countries, in that it has so many altitudes within a small geographical area.

Thruout years of natural selection, the various strains of corn have adapted themselves to the different altitudes and conditions. Many varieties have been developed in this manner.

Research experts at Iowa State College are of the opinion that many of these Guatemalan corn varieties can be used to improve existing hybrids here in Iowa. In 1946, the Iowa State College Tropical Research Center was founded.

The first concrete evidence of the value of the hunt for better varieties of corn was shown at Iowa State College last fall. Some of the crosses between Guatemalan varieties and Iowa hybrids were grown in test plots at the station at Ames. They showed definite drouth resistance, says I. E. Melhus, project leader of the Guatemala outpost.

Melhus says he believes this is only the beginning of the use of Guatemalan corn germ plasm to improve our present hybrids.

Remarkable qualities which the Guatemalan corn possess are heat, drouth, insect and disease resistance. Melhus says that Iowa hybrids grown in Guatemala are usually nipped by bugs before they get thru the ground.

However, if they manage to survive this test, then some of the other insects, rusts and the blights go to work on them. On the stalks which withstand all of this, the ears are runty and about three inches long.

With two thousand years of growing and natural adaptation behind it, Guatemalan corn can put up with these conditions.

One of the outstanding features of the tropical corn is a tremendous root system, says Melhus. This root system accounts for its ability to withstand drouth. It would be useful in producing hybrids that do not break over.

The research experts at work in Guatemala were amazed to find hundreds of new and different varieties of legumes growing there. Many of these hybrids have never been classified. Investigators believe these may also be of value to our legume growers.

In connection with the research project, C. R. Elder, extension editor at Iowa State College, went to Guatemala to help film a movie, "Guatemala, the Home of Corn."

This film, narrated by Dale Williams, is now available to interested groups. The picture is not confined to corn research.

"In taking the picture," Elder say, "equal emphasis was placed on the life of the people of Guatemala and on the development of the corn research."

Included are pictures of cattle developed in the country—a native Brahman bull crossed with Brown Swiss females.

Also of interest are methods of coffee and banana production. Corn belt farmers will be interested in the crude agricultural methods and implements.

If you are interested in seeing this film, your county extension director or vocational agriculture instructor probably can borrow it from the Visual Education Service of Iowa State College.

First Aid for Stock

Is Hog Vaccination Good For Life?

To the Editor: If sows are properly vaccinated for cholera, how long should the treatment last?—E. B., Union County, Iowa.

When hogs are given the serum and virus vaccination against cholera, they seem to retain high resistance to the disease for the life of the average hog. Exceptions to this are quite rare.

Some farmers now are using a new method of vaccination. It involves the use of vaccines called T.V.V., or crystal violet. Neither of these give resistance to cholera for more than a year, according to most tests. In many hogs, not more than six or eight months of resistance is obtained.

These newer vaccines, however, have the advantage of not carrying cholera virus to the premises where they are used. And they don't give low-vitality animals the severe shock they sometimes get from the serum-virus treatment.

Do Not Mishandle Pregnant Sows

To the Editor: When I moved last spring, my first sows started farrowing, altho they weren't due that soon. They lost all their pigs. Did the moving and the possible rough handling cause this? Or was it abortion?—A. H., Winnebago County, Iowa.

Of course, no pregnant sow ever should be handled roughly. The closer she is to farrowing, the greater the danger from rough handling.

Tho the moving might have caused your trouble, it is also possible that your sows were infected with brucellosis, or contagious abortion.

A blood test would show whether they have the infection. If you don't want to go to the expense of a test, your best bet is to fit the sows for market. Then clean and disinfect the place thoroly and rebuild your herd with sows or gilts from a herd which has not had abortion.

You should be very careful when working around your sows. If they have brucellosis, it is possible that you could get a serious case of undulant fever from them.

"Poor Jake! He always wanted to run a hardware store."

"The first thing we did was to go over my place almost foot by foot. The Soil Conservationist found out everything I knew about my land and made notes on a map of my farm that showed the kind of soil, slopes and erosion in each field.

"From this and other available information the local Soil Conservation office drew up what they called a 'practical-land-use' plan for my farm; it told me what rotation to follow, what fertilizer to use and how much. It also included plans for controlling water on my land.

"Technical advice from the Soil Conservation Service and all-over help from our County Agent with no more effort or expense on my part produced yields that all of us had to see to believe."

Listen to "Red" Brand twice each week tell how others, with farms like yours, benefited the first year through the "practical-land-use" plan. It may mean extra income for you, too.

Ask your Red Brand dealer for reprints of these "practical-land-use" broadcasts. They may point the way to easier, more profitable farming for you. If your dealer doesn't have a supply of these helpful booklets, write us.

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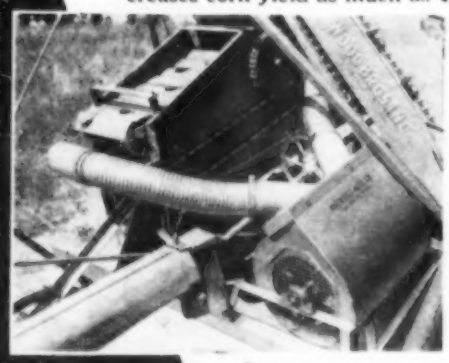
Yes.. YOU GET MORE CORN PER BUSHEL WITH THE Double Duty BLOWER!

Actual statistics prove the Double-Duty Blower increases corn yield as much as 100 percent per bushel.



- Ball-bearing drive
- Four-blade blower is 16" x 19"
- Blower of rugged, 20-gauge sheet steel
- 1600 RPM'S per minute gets corn clean
- Comes ready to install
- Double Duty for cleaner corn:

● Air blows directly through corn as it falls directly from snap corn elevator into husking bed—removing all dirt and trash—saving wear and tear on rollers;
● Blows directly on front of husking bed against stream of corn, loosening leaves and removing remaining trash.

Fits on WOOD BROS. Corn Picker

See Your Dealer or Write Direct to Dept. WF-2

MIDWEST MANUFACTURING CO.

COLUMBUS, NEBRASKA

Save Your Life!

It's about time to start up the furnace again. Before you do, read this story about an actual Iowa farm fire. It's told by N. J. Wardle, Iowa State College farm safety specialist.

"WILL! Will!! Will!!! Wake up? I can smell smoke."

"Huh? Oh, just your imagination. Let's go to sleep."

Will Thompson turned over and settled down for more sleep. His wife, Phyllis, tried to tell herself she just imagined the smell of smoke. Then she remembered the fire hazard check card Timmy had brought home the day before.

"We're inspecting our home farms to prevent fires. Will you and Daddy help me check ours?" Timmy had been so earnest for a little eight-year-old. But she had been too busy getting supper ready.

"Maybe tomorrow, Timmy; I can't now," she had said.

When Will came in from work, Timmy had met him in the yard.

"Will you help me check our fire hazards, Dad?"

"Can't tonight. Too late with the chores already," had been Will's brief reply.

Timmy hadn't said any more. But, after supper, Phyllis had noticed the card lying on the table. She had picked it up and noted the first item: "Check chimney above roof and in attic."

She had thought then: "We had better check our chimney, because we started the furnace today." But she had put it off. She would have Will do it tomorrow.

"Will, I know I smell smoke."

"Oh, all right. I'll go check, but there couldn't be anything wrong. We just started the furnace last night."

Will pulled on his shoes and overalls and sleepily went to the door. As he opened it, a billow of smoke greeted him. He quickly closed the door.

"Phyllis!!! Quick!!! The house is on fire." Will was completely awake now. He remembered reading in the paper not to go out into a smoke-filled room.

"Hurry, Phyllis. We'll go out the window."

"Oh, the children—the children! What will we do, Will? Oh, why didn't we do that inspecting with Timmy! Oh, Will!"

"Out the window you go!"

They slipped out the window. Lucky for them the bedrooms were all on the ground floor. Then Will slipped around to the other side of the house and rapped on the window.

"Timmy! Jean! Come here!" Then he climbed in. The children were still asleep. No smoke here yet. He took them one at a time to the window and handed them out to Phyllis. Then he went to the door. He felt of it, as he had read you should. It was hot all the way down.

"Fire out there—I'd better get out of here." He quickly grabbed an armful of the children's clothing, threw out a couple of chairs, and climbed out the window just as the whole door burst into flame.

"Oh, Mommy! My check card is in there!" wailed Timmy.

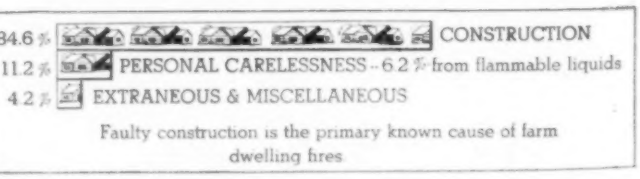
"Yes, Timmy, and many other things, too, which we'll never see again. Oh, Will, if we had only used that check card!"

The neighbors and the rural fire department soon arrived. After several hours of valiant labor, they saved the other buildings. The Thompsons will rebuild, but the cost of the fire has not been easy for them to handle.

Every farm home should be checked for fire hazards at least once a year. Here's a handy check card which has been used by rural school children of Iowa for five years to locate and remove fire hazards:

1. **Chimney**—(Check above roof and in attic). Mortar (All joints closed with mortar). Obstructions (Soot). Unused flue openings (Closed with asbestos stops or brick and mortar).
2. **Stoves and Furnace**—(Clear of ashes and soot, inflammable walls, clothing, rugs and papers). Stovepipes (Well supported, in good condition, free of soot, ample wall clearance).
3. **Roofs**—Free of frayed and weathered shingles.
4. **Spontaneous Ignition** — Hay free from danger of heating. Oil mops and dust-cloths stored properly.
5. **Lightning**—Ground cable connections not broken. Metal roofs and hay tracks grounded.
6. **Lighting System** — Fuses 15 amperes, no pennies used. Extension cords not frayed, not under rugs nor nailed to walls. Lamps and lanterns used carefully.
7. **Miscellaneous Hazards** — Use of gasoline and kerosene. Never pour into stove to kindle the fire. Electric iron always disconnected when leaving room.
8. **Fire Protection** — Essential fire-fighting equipment available.

PREVENT FIRES IN HOME



Faulty construction is the primary known cause of farm dwelling fires

Most Fires in farm homes are caused by poor construction—bad chimneys, inadequate wiring, etc. A little fixing-up time may keep your house from burning. Do it now.

3 Generations Win "Blues"

Taking Firsts Runs in Family!

AKRON, MICH. At ten years of age, Harry E. Rohlfs started helping his father show Percheron draft horses, and win champion awards. When he started for himself, exhibiting was "very much in the blood". Harry still thinks there's no fun like taking blue ribbons, hunting, or riding horseback.

Harry E. Rohlfs

Won blue ribbon for white winter wheat at International Grain and Hay Show, Chicago, '47 . . . with wheat raised on 460 acre farm in the "Thumb of Michigan".

Mr. Rohlfs has also raised two daughters who win many ribbons at state and county fairs. The Rohlfs' knack at prize-winning is now in its third generation.

* * *

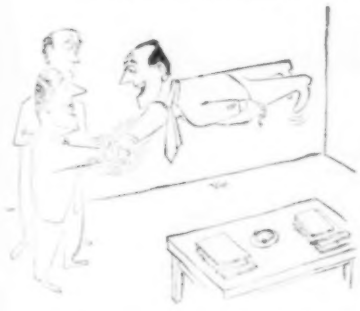
What the Rohlfs girls ate best, when tiny tots, was Wheaties. Loved the second-helping flavor of these 100% whole wheat flakes, with milk and fruit.

Says Mr. Rohlfs, "We bought Wheaties by the case." Families like his, serving several bowls a day, are likely to get the Extra Big Pak size. It holds 50% more than regular package. Popular in homes with outdoor people like the Rohlfs . . . where taste for Wheaties runs in the family.

THREE-generation Wheaties families are not unusual. More and more report all members, toddlers to grandparents, eating "Breakfast of Champions". Had *your* Wheaties today?

General Mills

"Wheaties" and "Breakfast of Champions" are registered trade marks of General Mills.



"Glad to meet a fellow Wheaties addict."

Planting of black locusts for control of gulleys in Keokuk county, Iowa. Many such plantings are becoming infested with borers which ruin post trees.

How Much Will Silo Hold?

To the Editor: I have two figures on how much a 12x36-foot silo will hold. One is 98 tons, the other 79 tons. Which is right?—L. U., Jones County, Iowa.

No two estimates of silo capacity agree exactly. That's probably because one set of figures may refer to new silage, another to settled silage.

For example, the United States Department of Agriculture says a 12x36 silo should hold 87 tons of settled silage. That means your second figure—79 tons—probably is about right for fresh silage.

No Fixed Charge For Field Cutter

To the Editor: What is the proper charge to make for custom work with a field ensilage cutter?—W. M., Mercer County, Illinois.

Since field cutters are rather new, custom has not yet definitely fixed the custom rate.

A Minnesota survey found that ensilage cutters doing custom work get about $8 an hour. No figures are given for use of the blower. An Illinois report says $4 per acre, plus 75 cents per man-hour labor charge. This also does not include the blower, altho a charge of 50 cents a ton, plus 75 cents per man-hour, is listed for elevating silage.

Early Hail Damage Is Worst

To the Editor: What damage does hail do at each stage in the growth of corn?—B. S., Plymouth County, Iowa.

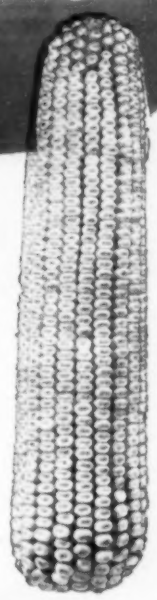
There isn't much experimental evidence on this question. But here's what was found in one test where part of the corn leaves were removed:

Removal of half of each leaf at the pre-tassel stage cut final yields by 27 per cent. Removal of half of each leaf at the full tassel stage reduced yields 33 per cent. And removal of half of each leaf at the milk stage cut yields 13 per cent.

Another test showed that severe bruising of stalks a week before tasseling cut the yield 20 per cent. Damage was 35 per cent at full tassel stage, and only 6 per cent early in September.

HYBRID CORN IS NOW

Improved BY LOWE RESEARCH



ONE OF AMERICA'S OUTSTANDING CORN BREEDING PROGRAMS.

Improved Hybrids that are producing greater corn crop profits for thousands of farmers.

- **MULTIPLE PEDIGREE HYBRID . . .** A combination of 12 tested pedigreed lines instead of the usual 4. The dry weather "crop insurance" hybrid.
- **PRO-PAK (Packed with Protein) . . .** A hybrid with 50% more protein than the average protein content of hybrid corn.
- **MOO-MIX . . .** An ensilage hybrid—developed especially for the farmer with a silo. Voted best 2 to 1 in official tests by county agents in 27 counties of New York's dairy section.
- **SISTER-LINE . . . Single Crosses . . .** A high yielding hybrid that produces beautiful fields.
- **FAST DRYING EARLY HYBRIDS . . .** Ideal for the short growing season in the North.
- **WHITE HYBRIDS . . .** That grow stand and yield like the best yellows. Lowe has 31 scientifically improved hybrids . . . one to fit your farm, whether you are in the far North or the deep South. Try a test planting of Lowe Improved Hybrids—See your LOWE DEALER Today.

FREE
New Edition of CORN FACTS.
24 pages of facts about corn diseases and insects, soil needs, weed control, harvest tips, etc. A reference book that you'll want to keep. Free while they last . . . write today.

LOWE
Originators of High Protein Hybrids

Lowe Seed Co. 824 Sixth Street Aroma Park, Ill.

WINTER TIME LICE, MITE AND MANGE

Pests fear these NEW Pesticides

Now you can get full-coverage protection against many insect pests with these two new pest-killing pesticides.

Pay-U Disinfectant Paint and Dusting Powder with DDT—use as a dusting powder—or as a clean, snowy white disinfectant paint. Gives long-lasting protection from lice, red mites, flies, mosquitoes, fleas and bedbugs. Ideal in poultry and livestock houses because it disinfects without making the quarters damp.

Pay-U Lice, Mite and Mange Powder: Contains amazing benzene hexachloride. A new wettable powder insecticide. Can be used as a spray, dip or sprinkle. As a spray, is effective for control of sarcoptic mange on swine and cattle. Sprinkle for control of lice on hogs and poultry. As a dip or spray, for control of lice and ticks on cattle and sheep.

Rid Hogs of Large Roundworms this new safe, easy way Contains sodium fluoride, *plus* other ingredients which both "cushion" the shock of worming, and serve as a gentle laxative. Just mix Pay-U Large Roundworm Expeller with feed—your pigs worm themselves. The easiest way in the world to kill 95% or more, of thrift-robbing roundworms—already successfully used in worming more than 25 million pigs!

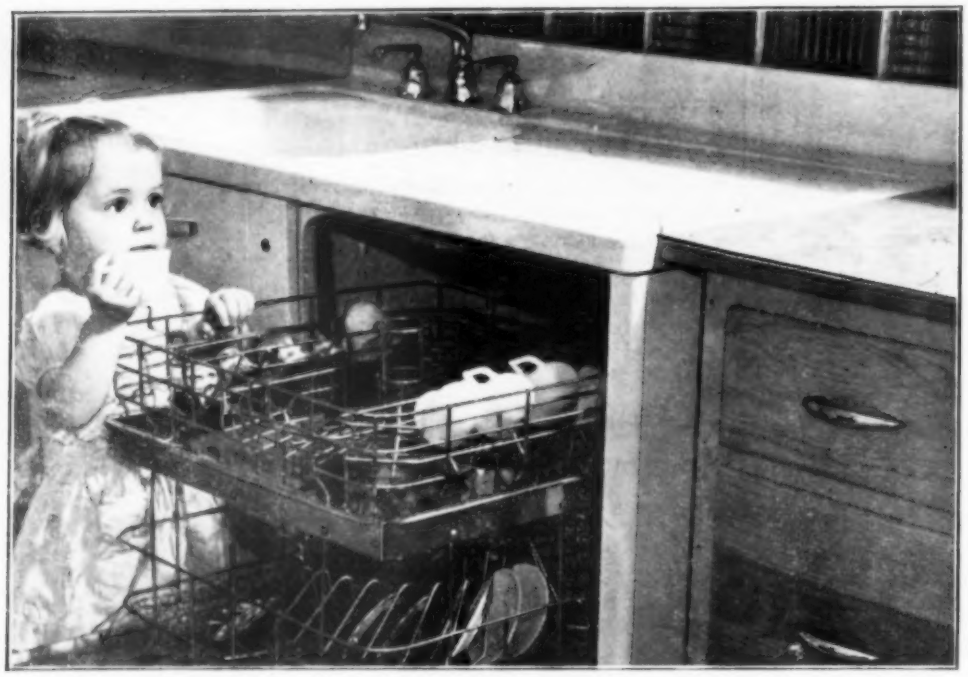
Keep Pay-U Pesticides on hand for insect emergencies. For sale at your local dealer's or write.

Pay-U laboratories

See Your Dealer for Pay-U Insecticide . . . and Other Pay-U Pesticides
QUINCY, ILLINOIS

Homemaking Department

Edited by **ZOE MURPHY**



Nancy is young, but she is already interested in the work that goes on in the kitchen. She is the granddaughter of Hans J. Schmidt, of Black Hawk county, Iowa.

"The Twig Is Bent"

"AS THE twig is bent, so is the tree inclined" can be a very sobering thought to parents. It is a big undertaking to teach each child to get along with others, to have a feeling of responsibility, and yet be happy in his own right.

Times have changed a lot since the days when parents felt justified in taking the stand: "You do as I say or I'll knock your block off." Maybe they've changed too much.

Today's goal is to understand the child. And if progress is to be made, Mother and Father need to have the same goal in mind, and to stand by each other. And they must be firm.

Parents like to get together and compare notes on their children. So why not call on several Iowa parents and visit about this subject?

Mrs. Lizzie Skeie, Hamilton county, is the mother of seven children (including twins), and has 13 grandchildren and six great-grandchildren.

Petite and peppy, her eyes sparkle as she says: "I love them all alike, but I have more time to enjoy these than I did my own. I was so busy then."

One thing Mrs. Skeie learned in rearing her family was to teach the youngsters to work at an early age. "They are proud when they can help."

Her first little girl wanted to help peel potatoes. "She was too little to manage a knife, so she peeled with her fingernails. And she was so happy to help."

She believes in children minding, but thinks it doesn't take much spanking "if they are cared for right. Plenty of toys help—but not all at one time. When they start getting into things, they should be given something else to play with."

Speaking of juvenile delinquency, Mrs. Skeie says: "Don't you think it's lack of love? Children are pushed away from home and the parents are gone so much, sometimes all of the time."

Mrs. Homer Brown, Hamilton county, is a busy mother with four children, ranging in age from one to ten years.

"I find that I get best results by sitting down and explaining why they shouldn't do certain things. I've been places where they give the child a slap, and he still doesn't know what he did wrong."

There is a difference in children, Mrs. Brown finds. "Our boy is harder to handle than the three girls."

If there is to be any spoiling done in the Brown family, it will be because the two older girls, ten and seven, think that the two younger children are so cute.

But the older girls like to help with getting a meal, and Mother usually finds occasion to compliment them. She says she was about as busy with just one child as she is today with four. "Now the children help."

A place to play in the basement is a help to both mother and children. Mrs. Brown put down an old linoleum, and the tricycles and some other playthings are kept down there.

Mrs. Arnold Johnson, Story county, is the mother of an eight-year-old boy and a five-year-old girl. She takes an active interest in the child and youth department of the Story City Women's Club.

As a group, the club women sponsor the Girl Scouts, work with the milk fund in the local school, and at Easter-time give a party for all the children of the town up to and including the fifth grade.

The study program of the club is varied to take in children of all ages up to high school. In connection with many of the lessons, there are displays for children, including homemade toys, family recreation, and ways of keeping a sick child happy.

Mrs. Johnson thinks one reason for juvenile delinquency may be that children are neglected. Mothers work and leave the children with someone else, or let them run wild.

"And you have to supervise what children do after school and in spare time," says Mrs. Johnson. "Sometimes it is even necessary to direct what children your child shall play with.

"Another problem is that of the ideas which are taught in today's movies. The children seem to learn only bad things from them."

Mrs. Johnson thinks murder mysteries on the radio are another problem.

Mrs. William Jones, Polk county, with three small youngsters, finds that a mother needs a sense of humor. And, in order to keep it, she needs to get away from the children occasionally.

First as a school teacher, and again as a mother, she has learned that you have to discipline yourself before you can discipline the youngsters.

"Keep from saying 'No' as much as possible. If you say, point blank, 'You do this!' the child will react just as you would—by balking."

To keep the sense of humor, Mrs. Jones feels that a mother needs to keep from getting too tired. A little rest in the afternoon can be a big help.

As Mrs. Ingvold Neygaard, Hamilton county, says: "You have to have a lot of patience. When you are with the children all the time, you wonder whether you are making any impression. But later on, you see that they did learn from your teaching."

"As the twig is bent, so is the tree inclined."

Traveling By Truck

IF YOU are short on cash, but long on the desire to see the mountains, do as my husband and I did last summer, along with our four-year-old son and 18-month-old daughter.

In a 3,000-mile trip our only sizable cash outlay was for gas and oil. We camped out, cooked our meals, had a wonderful time, and came home with money left.

Our pick-up truck has a stake body and stock rack. We had large screw-eyes fastened to the inside of the rack. Three iron rods were bent to form half-circles. These flexible rods supported a canvas. Result was a "covered wagon."

By day, the hoops were laid flat on top of the load, with the canvas securely tied to keep everything dry and free of dust. When night found us, we could quickly erect rods and canvas. Inside were comfortable sleeping quarters.

We had an old-time day bed to accommodate two adults. The children slept in the middle, and no one was overly crowded.

Occasionally, Mike, our four-year-old, and I would ride in the back on the bed, while our small daughter stretched out on the front seat for her nap. This gave both children a chance to relax, and they were always happy to see each other when we moved up front again.

We did our cooking on a two-burner gasoline stove. Most of the food we brought from home. Country-cured ham and fried eggs taste twice as good eaten at a picnic spot in the Black Hills.

We enjoyed our jars of canned chicken, fruits and vegetables. Canned soups were the basis of a quick lunch. Our only purchases of food were milk, bread and ripe cherries. We could not resist the roadside stands offering paper bags of fresh-washed cherries.

Many people have asked: "But how did you find a place to camp every night?" We can truthfully say we had no trouble on that score, and everyone we inquired of went out of his way to make us comfortable.

There was the gas station man in South Dakota who directed us to a vacant lot and offered us water and the use of toilet facilities.

Another station attendant in Colorado told us we could camp undisturbed in the town square, since he was town marshal.

Another night, when darkness found us in the wilds of Wyoming, we finally pulled to the side of the highway, put up our canvas, and went to sleep. No one bothered us. I suppose it was because there just weren't any people. We were "miles from anywhere."

The national and state parks and forests make camping truly fun. The Black Hills area, and especially Rocky Mountain Park, where we spent quite some time, have wonderful camp grounds.

Now that the oats are all in the bin, why not pack up the family and go on that dreamed-of vacation to the mountains? It doesn't need to cost much, and it is such fun to camp along the way. Have a good time!—Mrs. Lester Auliff, Scott County, Iowa.

NEW! Breeze
Hard Water SUDS Discovery!

MAKES DISHWASHING FAST! FAST! FAST!

1 **Instant suds** ...makes Dishwashing FAST!

2 **Cuts grease** ...makes Dishwashing FAST!

3 **No more hard water scum** ...makes Dishwashing FAST!

4 **No wiping** ...makes Dishwashing FAST! Dishes dry with no wiping... glassware, sparkling bright!

NEW! FASTER-WORKING SUDS FROM LEVER BROTHERS COMPANY

Dress Styles For Fall Are Smart

No. 8343—Youthful, practical. Neatly tailored blouse and skirt outfit; a "must" in all fall wardrobes. Sizes 12, 14, 16, 18, 20, 40 and 42.

No. 8303—A pretty contrasting fabric fashions the yoke of this stunning date frock. Sizes 12, 14, 16, 18 and 20.

No. 1825—Destined for a busy season is this figure-flattering jumper to wear with the blouse included or a bright sweater. Sizes 11, 12, 13, 14, 16 and 18.

No. 8366—Slim, well-cut daytime dress with action back and choice of sleeve lengths. Wide size range. Sizes 14, 16, 18, 20, 40, 42 and 44.

No. 8362—This handsome housecoat is ideal for moments of relaxation. Shaped sleeves, handy pocket. Sizes 12, 14, 16, 18, 20, 40 and 42.

No. 1823—This is nice enough for extra special occasions—a charming two-piecer that's as comfortable as can be. Sizes 12, 14, 16, 18 and 20.

No. 1762 — Beloved by women of every age is this crisp shirtwaist frock. It has soft detail at the hipline. Sizes 32, 34, 36, 38, 40, 42, 44 and 46.

No. 8360—An adorable little button-front dress for the grade school miss that she can button up in a jiffy. Sizes 4, 5, 6, 7, 8, 10 and 12 years.

No. 8354 — Want something simple to sew with pleasing results? Make this dainty princess style with rows of colorful rick-rack. Comes in sizes 2, 3, 4, 5 and 6 years.

Patterns are 25 cents each, in coin or stamps (coin preferred). The New Fall FASHION Book is also 25 cents. It contains much useful information and a complete pattern free. Send orders to the Pattern Department, Wallaces' Farmer and Iowa Homestead, Des Moines, Ia. CAUTION: Be sure to give your name and address when writing.

Ronnie Hanson started to school this year. He has a new lunch-box that is just like Eileen's—his sister. They are the children of Mr. and Mrs. Wilbur Hanson, of Pocahontas county, Iowa.

COOKERY CORNER

BAKED PEACHES

8 canned peach halves
Cloves
Stick cinnamon
Grated grapefruit rind
¼ cup brown sugar
Few grains of salt
1 tablespoon butter

Drain peach halves; place cut-side down in a shallow baking dish. Stick with cloves, sprinkle with broken stick cinnamon and coarsely grated grapefruit rind. Cook together the grapefruit juice, brown sugar, salt and butter, till slightly thickened. Pour over the peaches and bake in a 350-degree oven for 20 to 30 minutes. Serve warm with cream. — Mrs. Lou Weber, Wheatland County, Montana.

ORANGE CANDIED SWEET POTATOES

8 medium sized sweet potatoes
2 tablespoons butter
1 tablespoon grated orange rind
¾ cup dark corn syrup
¼ teaspoon salt

Cook whole unpared sweet potatoes in boiling salted water till tender. Peel and cut in halves. Arrange in shallow baking dish. Combine remaining ingredients. Heat to boiling, pour over potatoes. Bake in moderate oven for 30 minutes. Spoon syrup over potatoes occasionally. Makes four to six servings.—Miss Myrtle Odland, Wright County, Iowa.

SWEDISH LIMPA
(Rye Bread With Caraway Seed)

1 cake yeast
2 tablespoons lukewarm water
1 cup milk
2 tablespoons shortening
2 teaspoons caraway seed
1 tablespoon salt
¼ cup brown sugar or molasses
3 cups loosely packed rye flour
1 tablespoon grated orange rind
1 cup water
3½ cups sifted all-purpose flour

Crumble yeast in two tablespoons lukewarm water. Scald milk. Add shortening, caraway seed, salt, sugar or molasses and water. Cool to lukewarm. Add yeast mixture, rye flour and orange rind. Beat well. Add all-purpose flour gradually to make stiff dough. Turn onto floured board and knead well. Place dough in lightly greased bowl. Cover and let rise in warm place (80 to 85 degrees) until dough is double in bulk (about an hour and a half). Turn onto lightly floured board and knead well. Divide dough into two equal portions and shape into balls. Let rise for 10 minutes, and shape into two loaves. Place in an 8½x4½x2½-inch greased loaf pan. Cover. Let rise until light. Bake in a 400-degree oven for 10 minutes. Then reduce heat to 375 degrees and continue baking for 40 minutes.

BAKED EGGS

1 cup grated American cheese
2 tablespoons butter
½ cup light cream
¼ teaspoon salt
Dash of pepper
1 teaspoon prepared mustard
6 slightly beaten eggs

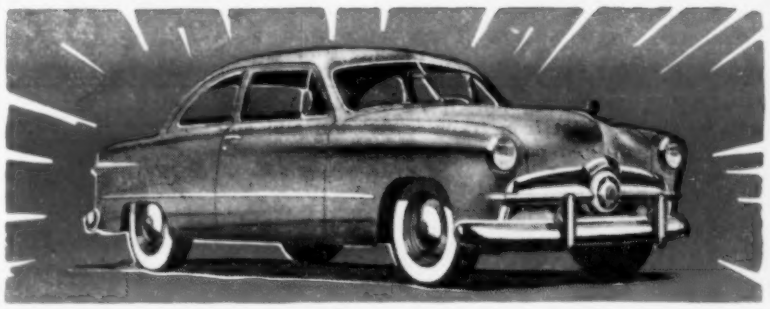
Spread cheese in greased, shallow, 8-inch baking dish. Dot with butter. Combine cream, salt, pepper and mustard. Pour half this mixture over cheese. Pour eggs into baking dish. Add remaining cream mixture. Bake in moderate oven until set—about 25 minutes. Serves six.—Miss Myrtle Odland, Wright County, Iowa.

MOLASSES AND APPLE SAUCE COOKIES

2 cups sifted flour
1 teaspoon soda
1 teaspoon salt
2 teaspoons cinnamon
½ teaspoon cloves
½ cup shortening
½ cup sugar
½ cup molasses
1 egg, unbeaten
½ cup thick apple sauce
½ cup raisins, chopped
½ cup nutmeats, chopped

Sift together first five ingredients. Cream together shortening, sugar and molasses. Beat in egg. Add all dry ingredients and apple sauce at one time. Beat one minute. Stir in raisins and nutmeats. Drop from teaspoon onto lightly pressed cooky sheets. Bake 12 to 15 minutes in 400-degree oven. Yield, five dozen cookies.

WIN A NEW 1949 FORD!



30 OTHER BEAUTIFUL PRIZES - IT'S EASY!

Just Write a Short Letter Starting:

"I'm joining the Butter-Nut Coffee Orphan's Christmas Club because---"

RCA RADIO-PHONOGRAPH

Big Console Model. Walnut Finish. Golden Throat. Sells for $325.00.

3 CHESTS OF SILVER

1847 Rogers Bros. "First Love" Pattern. 52 pieces. Service for 8. Sells for $64.75 per set.

10 ARVIN TABLE-MODEL RADIOS

•

5 BULOVA WATCHES

•

11 AWARDS OF $5 EACH!

You can win a smart new '49 Ford Tudor or one of 30 other fine prizes, just for a short, easy letter!

Here's what to write about: Everyone knows what a sad day Christmas is for the orphan who gets no gifts or candy.

And most everyone knows the Butter-Nut "Christmas Gifts for Orphans Club" brings real Christmas to over 10,000 orphans each year.

So just tell, in your own words, how easy it is to save the Butter-Nut Coffee labels and tin strips and send them in to be credited as cash in the Christmas gift fund . . . and what a joy this tiny effort brings to thousands of orphans on Christmas morning. Say it right, and a Prize is YOURS!

This contest is to remind folks to start saving labels from Butter-Nut jars and tin strips from Butter-Nut cans. Send them in next November when we send out the call. The more you send, the bigger the fund.

The label you send with your contest entry will be credited to the Christmas fund.

RULES

1. Write a short letter, starting: "I'm joining the Butter-Nut Coffee Orphan's Christmas Club because . . . . ."
2. Mail your entry with a Butter-Nut Coffee label or tin strip by midnight, October 30, 1948.
3. Entries will be judged on sincerity, aptness and originality. Decision of the judges is final. Duplicate prizes in case of a tie. Letters become our property.
4. Anyone can enter except our employees, their families and employees of our advertising agency.
5. Address your entry to: Butter-Nut Coffee, Omaha, Nebr., Dept. F-5.

Butter-Nut—the Coffee that tastes so Good it is FIRST Choice in a MILLION HOMES!

BUTTER-NUT GLASS JARS ARE REAL FRUIT JARS. SAVE THEM

Butter-Nut "The Coffee DELICIOUS"

THE FARM FAVORITE!

New Ideas For Fall Needlework

No. R-2632—Santa receives hundreds of letters every year asking for baby dolls with "clothes that come off." This soft rag dolly has a complete infants' wear wardrobe. Hot iron transfer for doll and embroidery and printed patterns for garments.

R 2632

5817

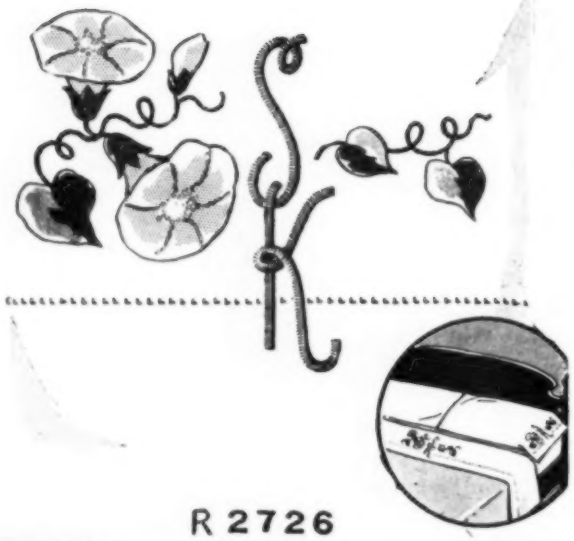
No. 5817—Crochet this warm-as-toast hat and muff for six to ten-year-olds. Requiring only six ounces of wool and scraps of bright colors for the "hearts and flowers," you can easily make the entire set in a couple of sittings.

R 2723

No. 5841—Dainty doilies to tie together china, glassware and silver into an enchanting picture. Used separately, one size is perfect under tiny and precious bric-a-brac. A larger size makes a perfect console set.

No. 5063—Made of white wool, this fluffy puppy is what all children love. Big crocheted loops make a lifelike coat, and the eyes and nose are embroidered. Should be finished off with a Christmas-red satin bow.

No. R-2618—Large-as-life pansies crocheted in the authentic colorings make this unusual chair set. Cover worn or soiled upholstery or protect a new chair with this gay set, which is so easy to crochet.



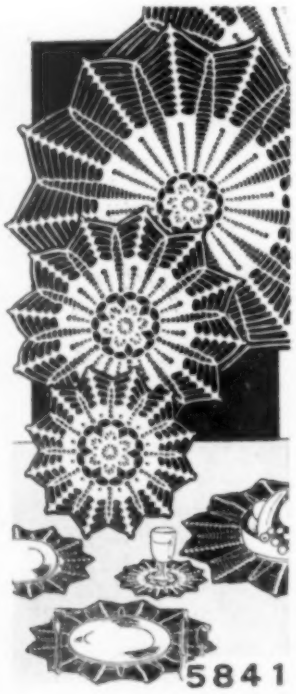
R 2726

No. R-2723—All women will love this pretty baby sacque. Crocheted in simple shell stitches which seem to "give" as baby grows, the sacque can be worn for many a month.

No. R-2726—Alphabets and morning-glory designs to embroider or applique. Lovely linens at your needle tips. An appreciated shower or wedding gift. Hot iron transfer and directions for both embroidery and applique stitches.

No. 5383—A wise and busy kitten. Hard at work on Monday, Wednesday and Thursday, Kitty takes time out to relax. Used on glass or tea towels, and without lettering, designs are amusing for nursery curtains, crib covers, or baby bibs.

5383



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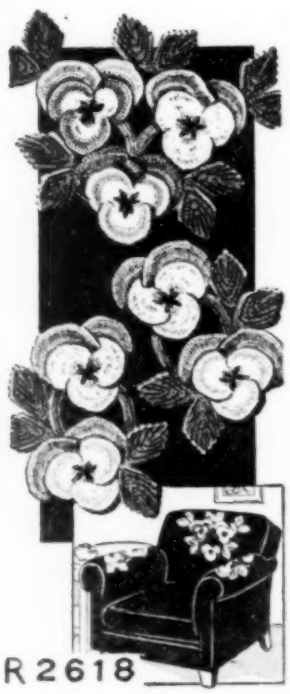

R 2618

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No. 5836—Charming animal motifs that trim a pinafore, baby's bib, dinette cloth, napkins or curtains just as easily and delightfully as tea towels. A pleasant way to teach small girls that needlework is easy and fun, not difficult and drab. Seven hot iron transfers.

Designs are 20 cents each, in coin or stamps (coin preferred). The New Fall FASHION Book is 25 cents per copy. It contains much useful information and a pattern free. Send all orders to the Pattern Department, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa. CAUTION. Be sure to give your name and address when ordering.

John Richard Lang, aged nine, shows his little brother the young dairy calves on his father's farm in Poweshiek county, Iowa.

COUNTRY AIR

By ELIZABETH C. WHERRY

CHILDREN must get awfully out of patience with adults. A young four-year-old was suddenly confronted with a roomful of women. To the silly, time-honored question of "How are you?" he gave the logical if not classical answer: "Fine, you dumb mutt!"

* * *

That slightly raised tone of voice, that too bright interest, and the Socratic questionnaire we fire at the young must goad them to fury. Especially when fond moms or relatives say: "Why don't you answer the lady?" Or excuse honest disgust with: "She didn't get her nap this afternoon."

* * *

There is no gap so wide between present generations as the comic books. Even tho Dad may skip the editorials and sports pages until he reads the funnies, parents just can't comprehend the craze for comic books. To the young, the number of comic books you own is a gauge of your prestige.

* * *

The other night, several families had Sunday supper over a backyard fireplace. When mosquitoes drove us into the house, the high school crowd listened to records while the younger ones became unnaturally quiet pouring over the young host's collection of 61 comic books.

* * *

Ere long, the high school group fell quiet, too. Reason: The small fry brought them a bunch of comic books. Such concentration! If applied to algebra, the results would be marvelous.

* * *

A friend of long years' standing spent the night with me not long ago. Like a couple of school girls, we talked far into the night. She is one of the people with whom you can pick up the threads tho you have not seen each other for years. "Even if we'd parted with the last sentence left unfinished," says my friend.

* * *

We talked about the accumulations of friendships as we go thru the world. There seems to be an intimacy knit into friendships made in youth that will stand long years of separation and a difference of interests for many years. And then flower again in later life.

* * *

If there were just one kind of pump, one kind of pipe, one size of pit, one kind of motor, and one firm to do the whole job, how simple it would be to revamp your water system.

* * *

Everything sounds hunkydory until they spring a new type nobody else has talked about before. Everything is lovely until you learn the old pit is too small to hold all the new gadgets. "Oh," you say to the pump man, "can you get the cement to enlarge it?"

* * *

"Well, we don't build the pits, but you can use hollow tile or cement blocks." "Well, who do you recommend for remodeling the pit?"

* * *

And then, with professional distrust of other workmen, the pump men say: "Well, I don't know as there's anyone around here you would want or not."

* * *

You talk to all of your farmer friends, you kneel and peer into other people's pits, you consult the man operating the farm, you quiz every pump and pit man for information.

* * *

No two have the same advice to offer. You decide it's an individual matter. It's up to you.

* * *

About that time, you draw up a multiple choice quiz, saying grimly:

1. (a) Jet pump; (b) deep well pump. 2. (a) Copper tubing; (b) galvanized piping. 3. (a) Three-fourths horse; (b) one and a half horse. (Above indicating power—not livestock.)

* * *

4. (a) New cement pit (and wait); (b) hollow tile pit (and just try to get a man to lay it up). 5. (a) Do it next year; (b) let's just go down to the creek.

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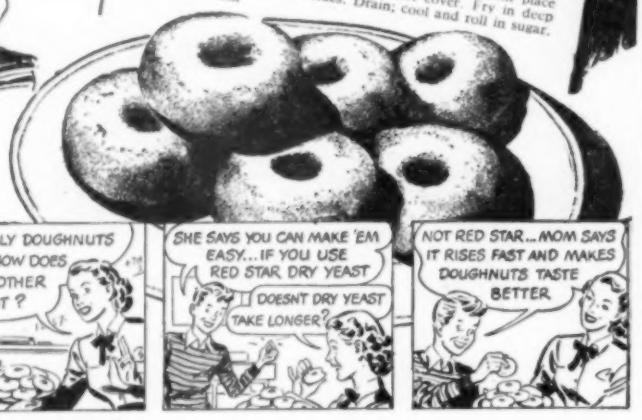
TEACHER LEARNS A LESSON ABOUT RED STAR DRY YEAST

HALLOWEEN DOUGHNUTS

2 packages Red Star Dry Yeast
½ cup warm water
½ cup milk, scalded
1 teaspoon salt
½ cup sugar
2 eggs
4¾ cups sifted flour (approximately)
½ teaspoon mace
3 tablespoons shortening
Fat for frying

Dissolve 2 packages Red Star Dry Yeast in ½ cup warm water. Let stand 2 to 3 minutes. Place scalded milk, salt and ½ cup sugar in a large bowl. Cool to lukewarm. Stir yeast solution thoroughly and add to this mixture. Add half the flour which has been sifted with the mace and beat well. Add eggs and melted and cooled shortening, stirring vigorously. Add remainder of flour stirring well. Place on lightly floured board and knead for 3 minutes. Shape into smooth ball and place in greased bowl. Brush top lightly with shortening. Cover and let rise in warm place for 45 minutes. Without punching down turn dough onto lightly floured board and roll to ½ inch thickness. Cut dough with 3 inch floured doughnut cutter. Place doughnuts on floured baking sheet. Let rise in warm place until very light (about ¼ hour). Do not cover. Fry in deep hot fat (350° F.) on both sides. Drain; cool and roll in sugar. Makes 2 dozen.



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RED STAR DRY YEAST

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Mrs. Vincent Havertape, of Delaware county, Iowa, already has an electric refrigerator, but she says if she were buying a home freezer, she would prefer the upright type.

New Refrigerators For Next Year

Recent Survey Shows Many Farm Families Will Buy Refrigerators Before Next Summer

IF FARM wives have their way, there will be about 21,000 new electric refrigerators in Iowa before next summer.

That's a lot of refrigerators. But women who cook three big meals a day can understand the need for a refrigerator. Especially in hot summers.

A farm woman from Fayette county said, after she got her refrigerator: "We never knew how good really cold milk could taste!"

A Tama county woman said: "My electric refrigerator isn't exactly new, but I'm still playing with recipes, and we all enjoy it."

In a recent Wallace-Homestead Poll we asked: "Do you have an electric refrigerator now? If not, do you plan to buy one before next summer?"

Almost 50 per cent of all who did not have refrigerators said that they were planning to buy one.

It's interesting to find out who buys new equipment. So we divided the women into age groups. One group was from 20 to 30 years old; another group from 30 to 50, and a group of older women of 50 and over.

Offhand, it would seem that the middle group would have the most refrigerators. They have growing children and have kept house for from 10 to 25 years.

But our guess wasn't true. It's the younger group which has the highest per cent of refrigerators.

Neither did it make much difference whether the farm was owned or rented. Owner families had a few more refrigerators, but the difference was not great.

Home freezers are still new. It's only since the war that they have been produced in any quantity. In spite of the fact that practically every community has a local locker plant, still 12 per cent of Iowa farm families have freezers.

Owners and renters tied on freezer ownership. Renters had almost exactly the same percentage of freezers as did owners. And more renters than owners were planning to buy freezers.

Ten per cent of those who do not have home freezers now plan to get them before next summer. If you want that in round numbers, it means that some 18,000 farm families will have new home freezers before the hot weather next summer.

There are several kinds of home freezers. There is one that opens up like a chest. Then there's the upright that opens up like a refrigerator, and there's a combination refrigerator and freezer.

In this same survey, we asked the women if they were buying a new freezer, which kind they would like to buy. Forty-four per cent said they would like to buy the chest type.

Twenty-eight per cent said they preferred the upright type, and 27 per cent said they would buy the combination freezer and refrigerator.

A WALLACE-HOMESTEAD POLL

The two-year-old granddaughter of Mr. and Mrs. Albert S. Miller, of Washington county, Iowa, feeds a crippled lamb from a baby's bottle.

Personal Problems

RISKY BUSINESS

DEAR LUCILE: I'm a widow of 39, and have two 'teen-age daughters. I've been going with a young man of 35, who has proposed marriage. Do you think this match would be happy? He seems to like the girls.

I have a little money of my own, enough to get the girls thru high school, I think. He has only what he works for, but is generous. Please give me your opinion. —Laura.

LAURA: There are risks here, altho there are points in favor of the match, too. I do not think the difference in your ages matters. The fact that your girls would not be any expense to your husband while they're in school is favorable.

The big thing, as I see it, is your ability to share your time and interests. A young, new husband would want your attentions. Your 'teen-age daughters, involved in all the activities and the good times of high school days, would require much of your energy and attention. Could you split yourself two ways? If so, then I'd say you should be able to make the marriage successful.

So much depends on the dispositions and temperaments of all parties involved that it's really anybody's guess. Think it over carefully, consult all who would be affected by your decision, and then—good luck to you!

'TEEN-AGE TROUBLE

DEAR LUCILE: I'm a young widow, making a home for myself and 16-year-old daughter. I'm having a lot of trouble with her, and wonder what you think of the situation.

I have frequent invitations out with friends, and it always causes trouble when I go. Peggy wants me to stay with her, or plan something for her entertainment.

I tell her that a girl of 16 ought to have her own friends and be going around with them and having her own good times.

She doesn't seem to want any friends; still, she's not particularly close to me. It isn't deep affection that makes her cling to me—I sometimes think it's selfishness. —Worried.

WORRIED: I think you're right in thinking she should have friends and a life of her own. It will hurt you both, but you may have to shove her out of the nest and make her use her reluctant wings.

This problem is unusual, in this day and age. Sixteen-year-olds are commonly so involved in their own affairs that mothers are at times looked upon as necessary nuisances.

I hope this situation can be turned into something good for all concerned—that nobody gets hurt. Daughter will undoubtedly benefit from broadened horizons, and Mother from relief of responsibility.

MOTHERS-IN-LAW

DEAR LUCILE: What do you think of a mother-in-law like mine? I've been married over four years, and called her "Mother" from the day of the wedding, but she has not called me by name in all this time. When she speaks to me, it's "you"; when she talks about me to my husband, it's "she."

There have been other things between us that have hurt, but not ever using my name is worst. After all, I do have one, altho I prefer to sign myself: Nameless.

NAMELESS: It sounds to me as if this mother-in-law is afflicted with that age-old disease of mothers-in-law — jealousy. She's probably so jealous of you that she seeks to shut you out of being, in her own mind, by refusing you the respect and dignity of using your name.

You'll have to be bigger than she is: Treat her nicely, respond to her advances if she makes any, and secretly feel sorry for her. It's only a step from pity to tolerance, and that's maybe all the relationship you can ever establish with your mother-in-law.

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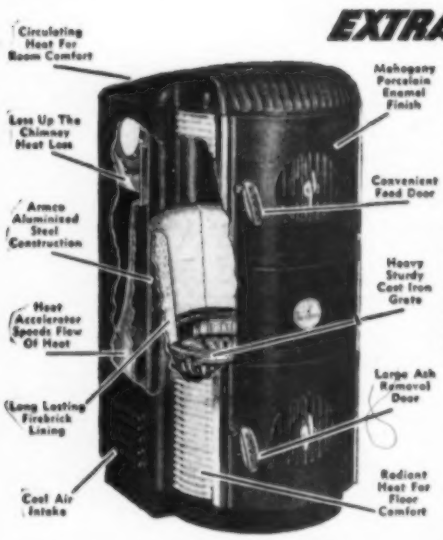

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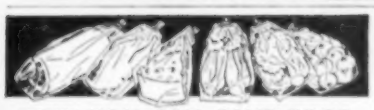

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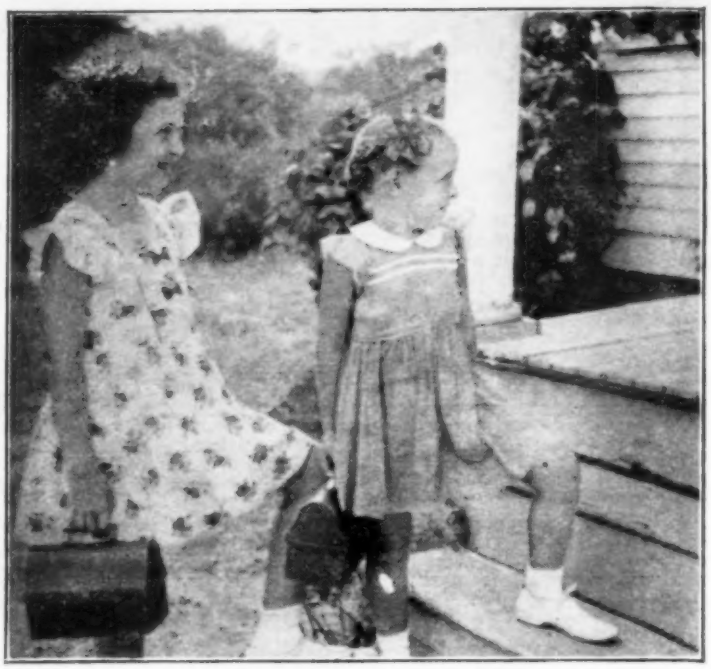

Mary Jean Freeken and her younger sister, Ruth Ann, carry lunch to their school in Jasper county, Iowa.

Meals For School Children

Do Your Children Get Enough of Right Foods to Supply Their Growing Bodies?

IS YOUR school child well fed? Last spring, a survey was made of the diets of 1,131 rural and parochial school children in Carroll county, Iowa. All of their meals for a three-day period were reported. Thirty-eight per cent of these had diets rated as unsatisfactory.

Too much of just bread and potatoes. Meat was all right in 80 per cent of the cases. But not nearly enough children got green and yellow vegetables.

Not enough had milk. Only 30 per cent of the meals were satisfactory in the particular essentials.

With children in school, a revision of the meal program at home is in order. Schools with well-balanced hot lunches are a big help. "We really could see a difference in the way our children ate at home when they didn't have hot lunches at school," stated Mrs. Merle West, of Greene county, Iowa.

They had moved away from a district using the hot lunch program. Now their children have to depend on lunch pails again.

The child needs a good breakfast to start the day right. "But, with two night basketball games a week," said Mrs. West, "it's a problem to get the youngsters up to eat as they should.

"There are mornings when the children won't take time to eat enough—just fruit and toast, perhaps, and then they'll go. I would rather eat later, myself, after I've worked up an appetite. But the children who are in school can't do that."

"We have a standard breakfast," said their mother, "consisting of eggs and toast and fruit juice. Then there is prepared cereal, if they want it."

After breakfast, the girl does the dishes and the boy tends to the separator, before they start to school. At noon, these children have a hot lunch at school.

The week's menu for the school is published in the local paper, so mothers can take it into account in their planning. Scalloped potatoes at noon and again at night would lack variety appeal. On the other hand, menus always are subject to change, so some discourage advance publication.

The school lunch program is gaining in popularity — especially where there are enough pupils to make the hiring of special cooks worth while.

But, hot lunch or not, school kids are always hungry when they get home in the late afternoon—if they're normal. The careful mother plans for this afternoon snack: Fruit in season; plain milk or milk drinks; maybe pudding or custard left over from dinner—these are much better than candy bars or cake.

The Clark McDonald children, of Carroll county, Iowa, are lucky in being close to their school. If they miss the bus, they ride their bikes.

The McDonald children do not usually have lunch after school, but their supper comes at 6 p. m. Whatever time meals are served, regularity helps guarantee healthy appetites. And the evening meal should not be too late, else youngsters will get too tired and hungry.

A big meal at night during the school year was stressed by every woman interviewed. Then, whatever type of lunch the child has had, he'll be sure to finish the day with a complete menu.

Mrs. McDonald mentioned the menu items on their night meal. "Always meat," she said. "This would be extra important for the lunch-pail child. It's hard to get a lot of protein into the child

School Lunch Pail Notes

A thermos bottle should be a part of every lunch box. It can be used for hot drinks and soups.

Cooked wieners can be kept hot in a thermos bottle. These, with buttered bread, make fresh hot sandwiches.

Here is a recipe for "slumgullion," which is liked by many school children:

One can of thick tomato soup, plus an equal amount of water, one pound of hamburger, one package of spaghetti and one good-sized onion. Slice the onion into the hamburger and cook them until both are good and brown.

The spaghetti should be cooked separately. Combine it with the hamburger and onion, and add the soup, or an equal amount of tomato juice. Pour into a hot thermos bottle.

sandwich filling, and a child needs a generous serving of meat once a day at least.

"Then always a vegetable," she went on, "and always a salad." For such, Mrs. McDonald likes kohl-rabi, carrots and cucumbers—anything you can peel, she says. Leafy vegetables are important, too, but must be washed carefully when served raw.

Here's a salad favorite in the McDonald family: Sliced bananas, raw carrots run thru the food chopper, raisins (soaked first to puff them). Add dressing, and mix together.

Milk—everyone recognizes how important it is for growing children. "They'll drink it at school when they refuse it at home," said Mrs. McDonald.

One Greene county, Iowa, teacher, Della Mae Steward, told how the little folks would take to milk if served in half-pint bottles with a straw to drink thru.

"When we weren't getting bottled milk," she said, "we'd even sterilize used bottles, and serve it that way, to make it more attractive. We get pasteurized milk, to avoid possible contamination."

Some families like skim-milk to drink. It has all the minerals and proteins, so is all right when plenty of cream and butter is also eaten.

Mrs. Carney Conner, of Carroll county, Iowa, has had the experience of raising seven children. "To be sure of getting enough milk down them," she said, "we'd have hot cocoa for breakfast, or maybe cold milk with chocolate stirred into it."

If it's hard to get each child to drink a quart of milk and eat one egg every day, remember that there are other ways in which to serve these essential foods. They are just as good in puddings, ice cream, simple cookies, or even in plain cakes.

Food prejudices still show up in a great many children. "Even tho you serve a balanced lunch at school," said Miss Steward, "there are some children who don't get the benefits of the balance because they won't eat everything."

Like the milk bottle story, however, school lunches are helping develop better eating habits.

The family can help at home by not discussing likes and dislikes. A small child should learn to eat what is set before him, and not be allowed to make choices that encourage a finicky appetite.

Attractive color appeal may encourage a child to try some food for the first time—tomatoes, for example. Smaller servings are generally best at first. Too large an amount on his plate encourages a child to leave some.

It goes without saying that well-seasoned, well-prepared dishes are most apt to be eaten heartily. But no need to spoil the appetites of youngsters with condiments or strong seasonings—or even too much sweets.

In preparing meals, remember that what is good for boys and girls is usually good for all of us. Quantities, however, will vary.

The average 'teen-age boy will eat more than his father. He requires a lot of energy food and nutrients to build bone and muscle as well. Mother will want to go easier on the bread and potatoes, if she happens to be on the stoutish order.

Families of today are learning better what is good for them. They are taught nutrition in the schools and in home project work.

Young Mrs. D. M. Rossow, of Greene county, formerly a school teacher, put it this way:

"Certainly, our rural children ought to have the most wonderful diet in the world. They have that opportunity. If they don't, it's our own fault."

If You Plan To Buy a Coat

WHEN you step out in your new winter coat, you want to look smart and feel well protected against the cold. You can find coats this season that fill the bill both ways.

Many new coats also have the fine feature of being wearable for any occasion. One popular style is the straight-hanging coat with flared back, which becomes either a tall or medium figure. For the woman who's looking for something slenderizing, there are fitted coats with softer lines.

To check how warm a coat will be, pay special attention to the front opening. You want a coat with a good fastening down the front, so it won't blow open.

Note, too, whether the coat buttons up at the neck. And look for a wide lap of one side over the other at the front opening.

Try to find sleeves shaped to the wrists, to keep the cold out. Or the lining in wide sleeves may be fitted to the wrists.

Naturally, you want to know that your coat will wear well. If it is labeled 100 per cent wool, it will be warm and durable. The label may also tell you about the lining, inner-lining and workmanship. An informative label is a good sign that it's a well-made coat.

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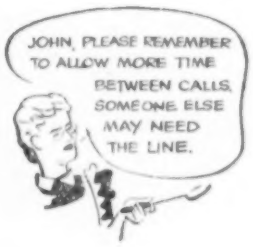

Not placing too many calls, one right after the other, lets others on the line make and receive calls, lets them know that you are considerate, and encourages them to be thoughtful too.

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Women Champs

Women From All Over Iowa Joined Games and Contests at Sports Festival at Ames, September 10-11

It took a stick to decide who was the winner in the horseshoe contest. Mrs. Leonard Oleson (left) won first this year and Mrs. Ed Lynch was the runner-up. Last year, it was the other way around. Both women are from Webster county.

The shuttle-race is an exciting and interesting contest. Here, Charlotte Plager hands the baton to Rae Jean Tudor. Bonnie Irvin waits in rear. Girls are from Hamilton county.

Mrs. Arnold Rock (left), of Scott county; Mrs. Ernest Hommer, Warren county, and Mrs. Austin Keeney, also of Warren county, are intent on their job in the nail-driving contest. No winners shown in this event.

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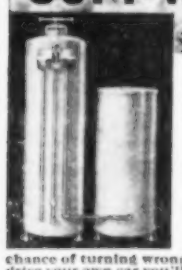

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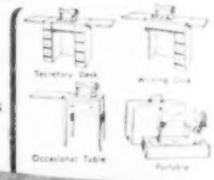

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Good Light for Homework

NOW that the youngsters have returned to school, the dining room table in many a household is back in service for evening "homework."

Few dining room light fixtures are of the shaded type, with large enough bulbs to give good reading light. Therefore, it is a good idea to move a study lamp to the table after the dishes are cleared off. This will make it a good place not only for studying, but also for evening reading by grown-ups.

To protect young eyes, light for studying should be free from all glare, dimming shadows and contrasts between bright light and darkness. A table study lamp must be tall enough and have a shade broad enough to spread a wide circle of light so that a child can sit up comfortably when reading.

The lamp shade should have a white lining to reflect all possible light, and slanting sides which direct that light downward. Under the shade, there should be a diffusing bowl (also called a reflector bowl), to prevent glare and soften the light.

This bowl sends some light up to the ceiling, so that it is spread over a larger area around the lamp, which helps prevent dimming shadows and sharp contrasts between light and darkness.

If the lamp is properly placed, and the children sit near enough together, one lamp will give good light for several students.

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Into a bowl of boiling water — or a vaporizer — put a good spoonful of VapoRub. Then let your child breathe in the comforting *VapoRub Steam.*

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THE FARM FLOCK

High Egg production means more profits for Mrs. Walter Boehlje, Cerro Gordo county, Iowa. Her hybrids average around 240 eggs per bird per year. She keeps litter six to eight inches deep, feeds her flock cafeteria style, uses a 26 per cent protein concentrate.

Lights for the Layers

Used Right, They'll Keep Production High

WILL lights in your hen house mean more profits? The answer probably is "Yes."

It depends partly on the breeding of your birds. Egg-bred pullets don't need artificial lighting as much as do poorly-bred pullets.

But, by the time you find out whether or not your flock can get along all right without lights, it might be too late. So it's best to play safe and use artificial lights during the short-day months.

When should lights be used? Some poultrymen start when the pullets are housed. Others wait until November, or even later. There is no rigid rule. It depends on the age of the birds and their laying rate.

Remember, lights are a stimulant—a pepper-upper. But there's no sense in trying to stimulate pullets faster than they can take it. If your pullets are laying 50 eggs per 100 birds now, don't use lights yet — especially if production is increasing. They might "blow a gasket."

But if your birds are doing only 50 per cent at eight months, they are loafing. That calls for the extra stimulation provided by the lights.

Use lights especially if production starts down. The slump might be due to feeding or other management faults. In that case, lights won't help. But often a sharp change in weather will cause a bad slump. If that happens, lights may stop the slump and prevent a severe false molt.

Normally, pullets that start laying before October will increase their production slowly until November 1 or later—depending on when they started and on the comfort of the housing. But sooner or later—as the days drop to 10 or less hours of daylight—the less productive pullets will stop laying.

Right then is the time to give them light to start them laying again.

Any old lighting set-up won't do. It's nice to be able to do chores after dark, but lights can be a waste of money if that's all you are accomplishing.

You know how easy it is to sleep in the daytime by covering your head or pulling down the shade. Pullets are the same way. If there is a dark place to sleep, they will sleep, even tho the lights are on.

That means you must hang your bulbs fairly close to the roosts. Avoid cross-beams that cast shadows. And use reflectors on the lights—they'll prevent light waste and provide enough illumination to do a good job.

Whether you're giving the birds enough light also depends upon the size of the bulbs, their distance from the floor, and how long the lights are on in a 24-hour period.

There are two general systems for lighting the laying house. One is the bright light plan—by which you make the day longer. The other is the all-night plan.

For the bright light system, use 50 to 60-watt bulbs, with 16-inch wide-angle reflectors. Hang the lights six feet from the floor. Use them enough to lengthen the day to 13 or 14 hours.

For the all-night plan, 15 to 20-watt bulbs are used. They also should be six feet from the floor, with 16-inch wide-angle reflectors. They are turned on at dusk and left on all night.

The number of bulbs needed for either plan depends upon the size of your house. One bulb for each 100 square feet is about right.

The bright light plan is most popular, but there is little evidence that one system is better than the other. Both cost about the same, and both are worth the money. — W. R. Whitfield, Iowa State College.

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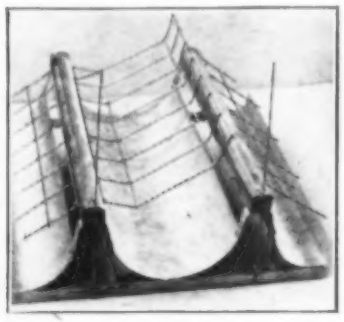

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Our Ads Are News!

Pullets start laying early for Mrs. Carney Connor, of Carroll county, Iowa. Daughter Shirley is shown with some of the 95 eggs laid by 175 pullets at age of four months and 26 days.

Poultrymen Buying Fall Chicks

With lower-cost feed in sight, poultry raisers have been buying more summer and fall chicks, reports the Department of Agriculture.

The USDA says hatcheries sold 31 per cent—11 million chicks—more in August this year than in August, 1947. September figures aren't in yet, but hatcheries had 40 per cent more eggs in incubators at the start of the month. Bookings for October also are up.

The report doesn't say how much of the extra demand is for broiler chicks and how much for laying stock. A lot of it, of course, is coming from commercial broiler producers — some broiler hatcheries can't get enough eggs to fill the demand.

But a big chunk of the demand seems to be coming from egg producers because the biggest percentage increase is in the west-north-central states—Iowa, Minnesota, Missouri, Nebraska and the Dakotas. The August chick demand in those states was 81 per cent above August, 1947.

Picking Caused By Overcrowding

To the Editor: Preventing cannibalism is a lot easier than trying to cure it after chickens start to picking each other.

Nine times out of ten, picking is caused by overcrowding. Folks who shove a few extra birds into the hen house are just asking for trouble.

But suppose your flock has plenty of room and still starts picking? It's probably still your fault—either poor diet or poor management.

Oats sometimes discourage picking. Many poultrymen feed oats along with a growing mash from the time chicks are three weeks old. A thin-hulled type with a short barb works best.

Some producers put a little salt in the drinking water to stop cannibalism. We've found that a little fresh cow manure may discourage the trouble.

If chickens start picking, darken the house at once. Beak-guards or blinders are useful if other attempts don't stop the trouble.

Debeaking—trimming the upper beak a little—is effective, without interfering with eating.—B. P., Holt County, Nebraska.

HOW TO INCREASE EGG PRODUCTION

★ A layer can produce only as many eggs as she can cover with shells. She needs calcium carbonate for shells, bone building and perfect feathering.

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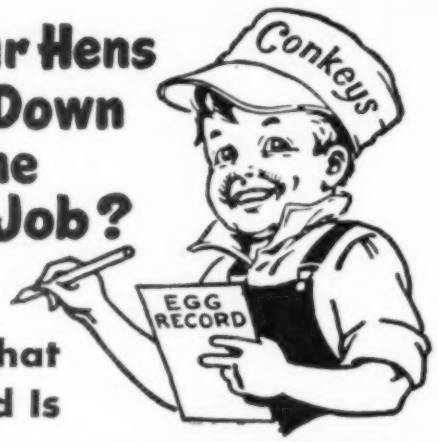

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Cattle on the pasture above represent a lot of money. Buildings in the background hold hogs and machinery which also have high values. It's all a part of the big investment which must be made so the tenant may be able to farm. Unless new leases are worked out, some young men will never be able to get started as farmers.

New Leases For Men Without Money

Plans Proposed For Dividing Crops Where Landlord Owns Machinery and Livestock

CAN a young man without money get started in farming? "Not any more" is likely to be the answer. "Even a tenant has a heavy capital investment."

But every one hasn't given up. Farmers are asking about new kinds of leases. Some are being tried. Here is the situation for which new leases are needed:

There are young men in nearly every neighborhood who could operate a farm. They could even share with the owner in management. But they don't have the large amount of money needed for machinery and livestock.

Some landlords would rent to these young men anyway. They would furnish all or part of the capital necessary. But there is no accepted custom for dividing crops and livestock where the tenant has no capital. Both sides are asking this question:

How should farm receipts and expenses be divided when the landlord furnishes all or most of the livestock and machinery and the tenant furnishes only or mostly labor?

There are a number of plans being tried here and there. Shares are usually one-fourth or one-third to the tenant. But some divide cash receipts and some divide net income. Sometimes wages plus a percentage is the plan. Here are a few of the plans:

Plan No. 1: Landlord furnishes all machinery and livestock. Tenant gets a guarantee of "going" wages. But at the end of the year the farm net income is figured and the tenant gets the wages or one-fourth of the income, whichever is larger.

This plan has been used in Minnesota. J. W. McNulty, of the Minnesota College of Agriculture, says young farmers have often made more than wages under the plan.

The landlord may get more, too, as the tenant has an incentive. Big crops and fast livestock gains can mean cash in the tenant's pocket.

Some variations on this plan have been reported from Illinois. The tenant gets wages plus a per cent of the net farm income. The per cent going to the tenant has ranged from 4 to 50 per cent.

The difficulty in these plans is that net farm income must be figured each year. Price changes in the inventory of feed and livestock may be confusing.

Price changes during the year do not represent real income or real loss. It probably would be fairer to both landlord and tenant to ignore them.

For example, if tenant and landlord decide to keep 25 sows instead of 20 the year before, the five extra sows should be included at market price as income. But increased or decreased value on the 20 sows would not be counted.

Plan No. 2: Some young men have a part of the capital necessary to farm. Here is a one-third livestock share lease that has given satisfaction in some cases.

The landlord owns the machinery. The tenant furnishes the labor. Then the feed and livestock, except work horses, are owned one-third by the tenant and two-thirds by the landlord.

This lease operates much like the ordinary 50-50 livestock share lease. Only the division is different. Expenses and receipts are divided one-third and two-thirds.

Grass seed and lime are often furnished by the landlord, however. He also buys new machinery, but the expense of keeping up the machinery is shared.

As compared with the ordinary 50-50 livestock share lease, the tenant, under the one-third share lease, is exchanging one-sixth of the receipts and expenses for having the machinery furnished.

With this one-third share lease

Contributions by Landlord and Tenant To Use as Basis For Dividing Returns

INVESTMENT ITEMS:	Value	Interest Rate	Total	Contributed by Landlord	Contributed by Tenant
Land, Buildings, Fences	$42,000	4 pct.	$1,680	$1,680	
Machinery	4,000	5 pct.	200	200	
Livestock	3,000	5 pct.	150	100	$ 50
Feed	1,500	5 pct.	75	50	25
EXPENSE ITEMS:					
Building Depreciation			600	600	
Mchy. Depreciation			400	400	
Grass Seed			200	200	
Taxes			420	400	20
Other Crop Expenses			900	600	300
Labor and Management			2,800	200	2,600
Totals			$7,425	$4,430	$2,995
Percent to Landlord and Tenant			100	59.6	40.4

Crop Divisions have been proposed on the basis of landlord and tenant contributions. Interest on capital, ordinary expenses and labor are included. The example above might fit a 240-acre farm where landlord owns machinery and two-thirds of livestock and feed. The indicated division, as shown on the last line, is about 60-40. Most such leases are drawn on a two-thirds and one-third basis.

there is no need to figure net farm income each year. Total receipts and expenses are divided. Changes in value of feed and livestock during the year accrue to each party according to ownership.

Plan No. 3: Still another plan has been worked out, under which the tenant and landlord share the farm receipts according to their contribution to the enterprise. Wages are placed against interest on investment and expense of operation. It works out this way:

The landlord is allowed 4 per cent interest on his farm investment as a part of his contribution. On machinery and livestock, 5 per cent interest is allowed and credited to each according to ownership.

The tenant is credited with the value of his labor. Hired labor and the labor of his family are included, too. The landlord is credited with $200 for help in management.

All other expenses are credited to landlord or tenant in the proportion paid by each.

The table on this page gives an example of how the various expenses are allotted. This won't fit every farm, of course. It is meant as a guide to tenants and landlords in fitting the method to their farms.

Tenants and landlords who have other types of leases might find it interesting to figure the contributions they are making under present leases. Then the per cent of contributions can be compared to rents paid or received.

It is worth noticing that with the landlord furnishing the machinery and owning two-thirds of the livestock, the indicated division is about 60-40. But if the contributions, as listed in the table, are adjusted to fit the ordinary 50-50 livestock share lease, the indicated division would be about in line with custom.

The difficulty in this plan for dividing farm crops may be in the valuations put on land or machinery. Probably the long-time productive value should be used. And, as farm prices decline, the valuations should decline, too.

The advantage of the plan may be in the fact that the tenant can own more and more of the livestock and equipment as he saves money. Finally, he might get to own enough to use the common 50-50 livestock share lease.

More detailed information on dividing farm proceeds according to contributions can be secured from the Illinois Agricultural College, at Urbana, or the Iowa State College, at Ames. This method was first proposed by them.

Plan No. 4: The oldest plan for starting the young farmer is for the land-owner to lend the young farmer the money to buy the machinery and half of the breeding livestock. Then the ordinary 50-50 lease can be used. Sometimes yearly payments to the landlord are arranged in advance.

There isn't much to recommend this plan when both livestock and machinery are near their highest prices in history. Both stand to lose.

The tenant may lose anything paid down on the livestock and equipment. The landlord may be unable to collect and may lose a good tenant.

One of the first three plans may fit your individual case, however. Results should be better than straight wages for both landlord and tenant if agreement can be reached between a landlord and tenant who can get along together.

The tenant should benefit thru extra earnings from his part in management. The landlord should benefit from the incentive given the tenant to do a good job in raising crops and livestock.

Will Lye Control Worms In Pigs?

To the Editor: Does lye of any kind help control worms in pigs? — D. L., Chickasaw County, Iowa.

Lye-water itself will not kill worm eggs. But strong lye-water used to scrub floors and walls of houses and pens will remove dirt that harbors the eggs. Then hot water should be used to kill any remaining eggs.

Many farmers believe that feeding some lye in the slop helps pigs to eliminate worms. But it is very doubtful that you could feed a strong enough dose to control worms without poisoning the pigs.

Lye-water is a good disinfectant and cleansing agent for some germs. But it isn't recommended to the hog raiser except as a means for keeping premises clean.

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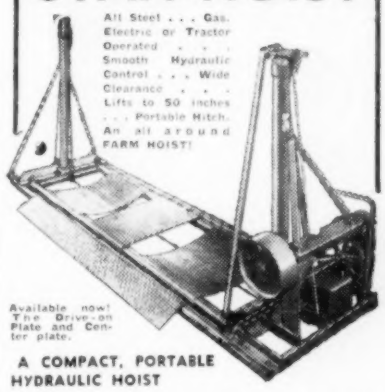

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Hog Producer Wilbur E. Newlin, Morgan county, Indiana, looks at his Duroc entry in the carcass contest at the National Barrow Show. Fred J. Beard, of the USDA, chairman of the carcass judges, points out its strong and weak points. Carcasses are hanging in the Hormel Packing Company cooler, Austin, Minn.

Yorkshire Hog Wins Carcass Contest

Chester Whites Get Ribbons In Live Hog Competition At National Barrow Show

HOW many ways are there to judge a hog? At least three angles can be mentioned.

1. The farmer wants good producers. He wants big litters and the kind of sows that will keep them growing until weaning time.

2. The packer wants hogs that will produce good meat cuts. (The farmer wants good meat hogs, too. This will mean more to him when hogs are bought more on the cut-out value.)

3. Then there is the show-ring method. Look 'em over. See thru the make-up if you can. Tap 'em with a cane or slap 'em with a sawed-off whip. Then lay on the ribbons.

The ring judge is trying to place the hogs according to the rules. The rules are intended to measure cut-out values. But he can't see inside the hog. The crowd expects the pretty ones to win.

Judging hogs is different from judging seed corn. The seed corn buyer no longer pays any attention to looks. He asks: "How does the corn yield? Does it stand up? How does it feed?"

Will hogs sometime be judged by size of litter, rate of gain and value of meat cuts? It would take away some of the excitement of the show-ring. But the blue ribbon based on such scoring would mean more to the man who wants to buy breeding stock.

There are hints of progress toward real tests of a hog. Carcass contests often accompany stock shows. But few shows yet have put the prize winning hogs to the slaughter test immediately after the show-ring placing.

Would the first prize hog in the ring also win first on cuts of meat? It would be interesting to know.

An approach to this method of testing was made at the National Barrow Show at Austin, Minn., last month. Exhibitors in the live barrow contests were eligible to enter hogs in a carcass contest. Many of them did enter.

In the carcass contest, hogs were judged solely on the value of cuts. Hams, shoulders, loin, bacon and fat were separated and weighed. Then the hog was valued by cwt. on foot, according to total value of the meat and fat.

Did the same hogs which won in the ring win in the carcass contest?

A Yorkshire hog from Shur Gain Farm, Ontario, Canada, was placed first in the carcass contest. On the basis of meat and fat cuts, this hog was worth $1.43 more per cwt. on foot than the second-place hog and $2.35 more than the hog getting 20th place.

But when the Yorkshire truck lot of hogs from the same farm came into the ring in the live hog competition, the judges took one good look. Soon the call came over the loud-speaker system: "To the scales" for the Yorkshires.

First place truck lot of hogs was a Chester White load shown by Portage Farms, Sandusky county, Ohio. The same Chester herd won the lightweight individual barrow championship and grand championship over all breeds.

But no Chester placed in the carcass contest. Of the 20 winners, four were Yorkshires, seven were Berkshires, three were Hampshires, three were crossbreds, two were Tamworths, and one was a Poland.

The Berkshires, after winning seven places in the carcass contest, won only one place in the interbreed competition. This victory was on reserve champion heavyweight pen, shown by Oklahoma FFA.

Of course, the hogs in the show-ring were not the hogs that were butchered. But they were from the same herds. Only those with hogs in the individual or truck-lot class-

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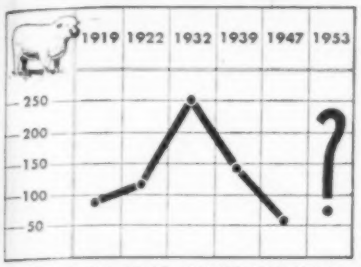

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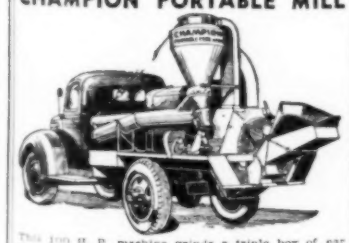

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Overdone, says Gerald Engelman, carcass judge at the National Barrow Show, as he measures the thickness of fat back. It takes proper feeding and breeding to make lean-meat hogs.

es were eligible to enter hogs in the carcass contest.

The carcass contest pointed up the big difference shape and finish can make in a hog's value on foot.

The first place Yorkshire was found to be worth $33.43 per cwt. on foot. The second place Hampshire was worth $32 per cwt. The third place hog, another Hampshire, was valued at $31.75 when meat and fat cuts were considered.

From third place, the value per cwt. on foot went down gradually to $31.08 for the 20th place hog. The difference between the top hog and the 20th place hog was $2.35 per cwt.

It should be noted that this difference in value on foot, when meat cuts are used as the measure, was found in show hogs. These hogs are far above average in quality and care in finishing. A much greater difference than this could be expected in the country run of hogs.

Championships and reserve championships in the inter-breed competition at the National Barrow Show went to four states. Ohio, Illinois and Oklahoma exhibitors took four each. Wisconsin breeders took two places.

Neither Iowa breeders nor Minnesota breeders got a first or a second place in the inter-breed competition. In the carcass contest, they got no closer than tenth from the top.

The grand champion barrow, a Chester White, was shown by Portage Farms. Reserve champion was a Duroc Jersey shown by Edwin Severson & Son, of Trempeleau county, Wisconsin.

The grand champion pen was three Hampshires shown by Ralph Farwell, Mercer county, Illinois. Reserve champion pen was three Polands shown by Carnegie FFA, Caddo county, Oklahoma.

Champion truck-lot was 15 Chesters shown by Portage Farms. Reserve champion truck-lot was a load of Poland Chinas shown by Oscar W. Anderson, of La Salle county, Illinois.

Last year's truck-lot winners, in both the heavyweight and lightweight classes, Louis Reuss & Son, of Muscatine county, Iowa, and Edward Forest, of Linn county, Iowa, landed in the first 10 in the light class. Forest's Polands got seventh place. Reuss got tenth with his Polands.

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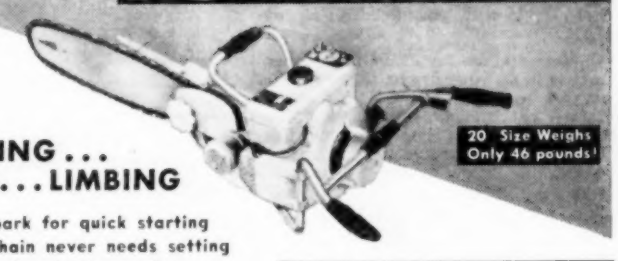

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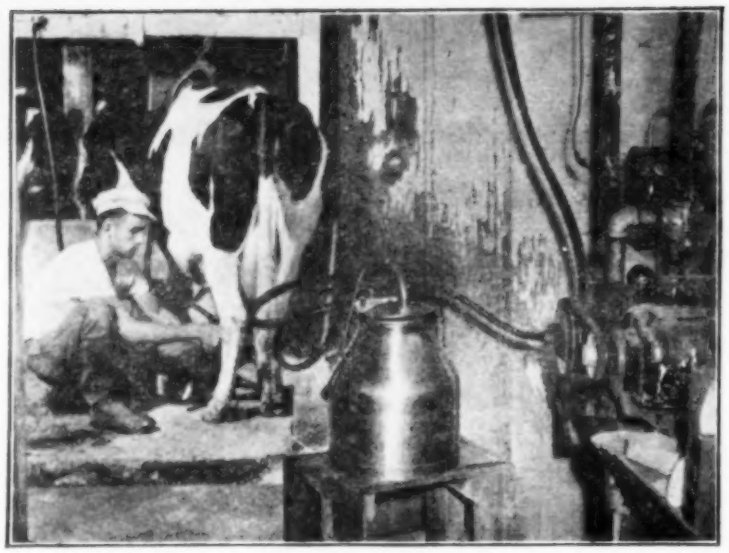

Back From army service (Berlin), Howard McLeod and his bride are taking over McLeod home farm in Tama county, Iowa. Howard milks 20 Holsteins, averages 3 gallons per cow per day.

Power Still Is Short

IOWA still has a critical shortage of electric power. In fact, the state is about as short of juice as any place in the country.

That's one of the things officers and managers of farm electric cooperatives were worried about at their annual meeting, held in Des Moines last month.

Reasons for the shortage are simple: Iowa farms by the thousands have been hooked up to high-lines in the last few years. And they're keeping meters spinning with new equipment, such as welders and deep-freeze units.

Co-op men should be careful not to build more lines than they can keep hot, warned Claude R. Wickard, former secretary of agriculture and now head of the Rural Electrification Administration.

Wickard pointed out that there are three ways for the co-ops to get more power: By negotiation with present suppliers, mostly utility companies; by joining with other co-ops to build power plants; by building smaller plants to serve a single co-op.

But utilities are short on power themselves, don't have much electricity to sell. Building of co-op plants takes time, tho several now are under construction in Iowa.

At another convention session, Wickard said the use of electricity on Iowa farms has just got a good start. About four-fifths of the state's farms are electrified, and 70 per cent of them have electric washers, he said. But only 32 per cent have running water and only 15 per cent have electric water heaters.

This means that farmers will continue to expand their use of electricity for some time to come, the REA chief declared.

At the convention's final meeting, these men were re-elected as officers of the Iowa Rural Electric Cooperative Association: H. V. Baker, Mt. Pleasant, president; Julius Lensch, Harlan, vice-president; George Kirstein, Clarion, secretary-treasurer. Earl Wisdom, Des Moines, serves as executive secretary.

Elected chairman of the managers' section of the association was Irving Nervig, Brooklyn.

Plowing Matches, Too

GOINGS-ON at the speaker's platform got most of the attention last month at the National Plowing Matches and Soil Conservation Field Day in Dallas county, Iowa.

But while 90,000 people tried to get a peek at President Truman, plowing contests and a soil conservation show really were taking place, as planned.

Tops on the program, sponsored by Des Moines Radio Station WHO, with Farm Director Herb Plambeck in charge, was the national contour plowing match. This year's crooked-furrow match brought together the top plowmen from Iowa and eight other corn belt states.

Winner was the Ohio state champion, Dean Wilson, of Urbana, with a score of 89.12. Last year's champion, Ronald Orr, of Beatrice, Neb., finished second with 84.12 points.

The Iowa entry, Gene Ferguson, Mahaska county, was third.

The national level land match was almost an all-Illinois affair. Paul Stiefbold, Naperville, Ill., the winner in 1946, ended on top with 91.33 points. In second place was Graeme Stewart, Plainfield, Ill. Both Stiefbold and Stewart live in the Wheatland community in Illinois, where straight-furrow plowing matches have been a major event for many years.

Last year's level land winner, Leo Drake, of Scotland county, Missouri, was third this year. In fourth place was the 1947 Iowa champion, Elston Danielson, Hamilton county.

In the open, or corn belt, contests, Harrison Link, of Ringgold county, Iowa, was the contour winner. Welby Dixon, of Tama county, Iowa, finished second, and Lewis Messner, of Gentry county, Missouri, third.

Open level land champion was Herbert Jones, Story county, Iowa. Hugh Elson, Dallas county, Iowa, took second place, with Donald Hanson, of Hardin county, Iowa, third.

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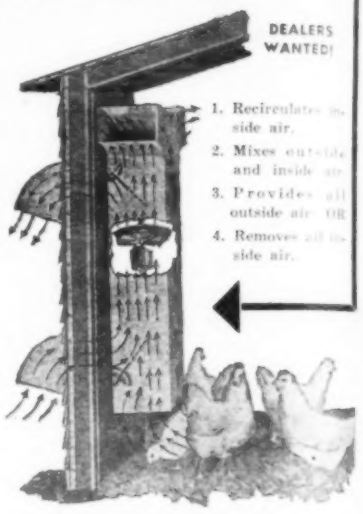

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Rheumatism Yields To Specialized System Of Treatment

Excelsior Springs, Mo., Oct. 2.—So successful has a specialized system proven for treating rheumatism and arthritis that an amazing new book will be sent free to any reader of this paper who will write for it.

The book entitled, "Rheumatism," fully explains why drugs and medicines give only temporary relief and fail to remove the causes of the trouble.

The Ball Clinic, Excelsior Springs, Mo., has perfected a specialized system of treatment for rheumatism and arthritis combined with the world famous mineral waters and baths. This new system of treatment is fully described in the book and tells how it may be possible for you to find freedom from rheumatism.

You incur no obligation in sending for this instructive book. It may be the means of saving you years of unfold misery. For writing promptly, the Clinic will send their newly combined book entitled, "Rheumatism—Good Health, Life's Greatest Blessing." Address your letter to The Ball Clinic, Dept. 40, Excelsior Springs, Missouri, but be sure to write today.

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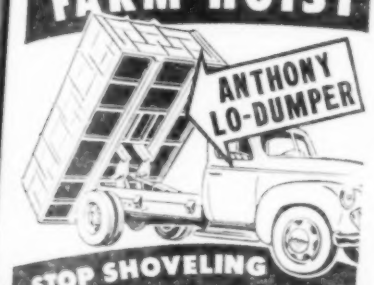

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ANTHONY HYDRAULIC

Farm News Briefs

UNCLE SAM wants farmers to hurry up and turn the big 1948 corn crop into pork. The USDA has set a 1949 spring pig goal of 60 million—an increase of nine million over this year's spring farrowings.

▲ ▲ ▲

FOOT-AND-MOUTH disease quarantine line in Mexico has been pushed another 30 miles south, reports the USDA. The joint U.S.-Mexican commission directing the fight against foot-and-mouth has lifted the quarantine from 24,000 square miles, which now are disease-free.

▲ ▲ ▲

STEER CLASSES at the 1948 International Livestock Exposition (Chicago, Nov. 27-Dec. 4) will be judged by an American for the first time in 48 years. Past judges have come from England, Scotland and South America. This year's judge will be Dr. A. D. Weber, of Kansas State College.

▲ ▲ ▲

DR. W. H. STEVENSON, longtime Iowa State College staff member, has retired from his college duties. From 1910 to 1932, he was head of the farm crops and soils department and director of the Iowa Soil Survey. From 1912 until this year, he was vice-director of the experiment station.

▲ ▲ ▲

WHEN YOU READ this, there will still be time to see one of PMA's corn storage shows. Temporary crib ideas will be demonstrated at the Clay county fair grounds, Spencer, October 5, and at the corn festival grounds in Clarion, October 7. Three other shows were held in September.

▲ ▲ ▲

IOWA FARMERS haven't yet started a rush to stock up on feeder cattle. In July and August, Iowans bought 10,000 fewer head than in the same months of 1947. Minnesota and Indiana were also down. But Illinois feeders bought enough more to bring the total for eight corn belt states up to the 1947 figure.

▲ ▲ ▲

COMING EVENTS: Ak-Sar-Ben, Omaha, to Oct. 10 (started Sept. 29); Dairy Cattle Congress, Waterloo, Oct. 4-10; American Royal Livestock Show, Kansas City, Oct. 16-23; Future Farmers of America national convention, Kansas City, Nov. 14-18; International Livestock Exposition and National 4-H Club Congress, Chicago, Nov. 27-Dec. 4.

▲ ▲ ▲

IOWA WINNERS of Goodyear soil conservation awards are three farmers in the West Pottawattamie Soil Conservation District and members of the district commission. Winning farmers are Harvey Hansen, Fred Hopp and Louie Fahrenkrug. West Pottawattamie district commissioners are Chairman Ernest Harms, Secretary Clifford Johnson, Don Anderson and W. C. Strohbehn. All were honored at a luncheon in Des Moines last month, later will get a trip to Arizona.

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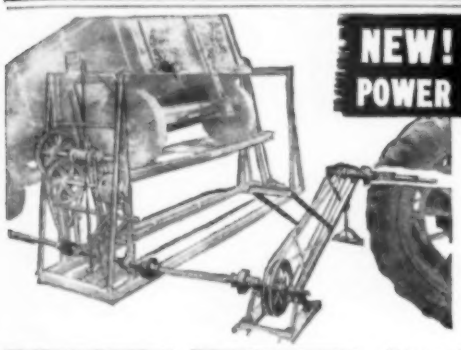

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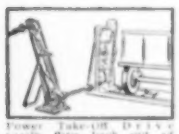

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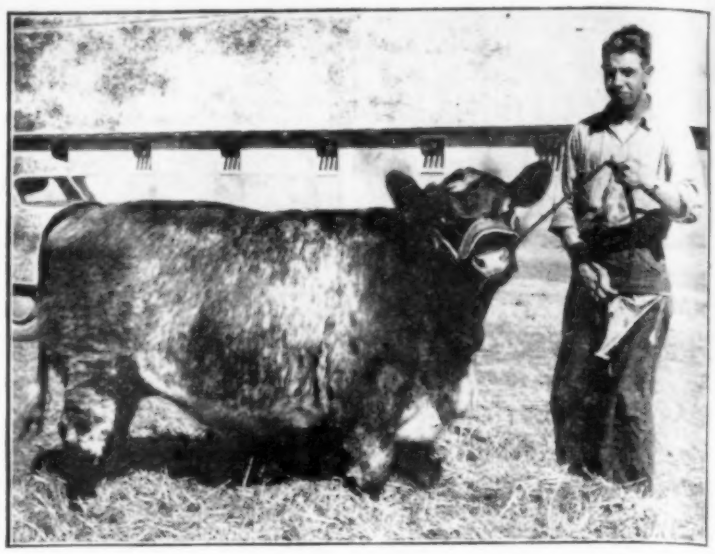

Northwest Iowa district champion in steer show at Clay County Fair was 1090-lb. Shorthorn shown by Kenneth Carlson, Clay county. The winner was auctioned for 90 cents a pound.

They Showed 441 Baby Beeves

Clay County Fair Had Plenty of Hogs And Beef Cattle in Open Classes, Too

FARMERS piled in to the Clay County Fair at Spencer this year just as usual. They saw more stock than ever. Some said better stock.

In the 4-H baby beef show, 441 were entered. Clay county held one show for its own folks. Then eight northwestern Iowa counties competed for the sectional prize.

A 1090-pound roan Shorthorn, exceptional in smoothness, came thru as district grand champion. It was shown by 20-year-old Kenneth Carlson, of Clay county.

District reserve champion was an Angus shown by an alert 12-year-old boy with a butch haircut, Ronald Carpenter. He'd bought the calf out of the purebred herd of his grandfather, Edwin Goedicke, of Ruthven.

At Friday's baby beef auction, the grand champion sold for 90 cents a pound. The reserve champion brought 56 cents.

Hereford breed champion for the district was shown by Treva Anderson. Reserve champions in Shorthorns, Angus and Herefords, respectively, were shown by Betty Rhodes, Jimmie Shields and Dick Pearson. Judge was K. C. Fouts, of the University of Nebraska. All these winners are from Clay county.

The hog show at Spencer outnumbered the cattle this year—1003 as against 888, according to Secretary Bill Woods.

Among 18 Duroc exhibitors, two herds took a big share of the winnings. Elmer Willey, Vincent, had junior and grand champion boar and junior champion sow. W. H. Helmke, Renwick, showed senior and grand champion sow and junior champion boar.

Duroc firsts also were won by A. J. Gacke & Sons, Sibley; Walter Hirt, Hartley; E. T. Garton, Marathon.

Fourteen Poland China exhibitors produced these tops: Senior and grand champion boar — Emmert Farm, Mason City; senior and grand champion sow — Louis Reilly, Lone Rock; junior champion boar and sow, Eugene Dugan, Storm Lake. Four firsts went to Oscar Larson, of Clarion.

A. L. Anderson, of Iowa State College, judged Durocs and Poland Chinas.

Albert Stuart, Newhall, judged the other hog breeds. "This hog show is the best I've seen here," asserted this veteran breeder, "both in numbers and quality. As good animals were here as at the State Fair."

In Chester Whites (10 exhibitors), R. A. Riemenschneider, of Kingsley, had senior and grand champion boar. B. F. Held & Sons, Hinton, took junior boar and all female championships.

In Spotted Polands (8 exhibitors), Vernon Irlbeck, Templeton, made a killing with both junior and grand championships. Kenneth R. Dingel, Ocheyedan, had senior champion boar and sow.

In the Hampshire show (5 exhibitors), senior and grand champion boar was shown by Albert Larson, Ayrshire. Maurice Wietz, Webster City, had junior champion. All female champions were shown by Emory Riemenschneider, Pierson. Harold Fischer, of Burt, had three firsts.

In Berkshires (3 exhibitors), senior boar championship went to Alex Conover, Holstein. Other championships were taken by Tom Conover, also of Holstein. John H. Fitch, of Lake City, had three firsts.

Standout in open class beef cattle was the Angus show. Senior and grand championship went to Enoch and Bob Johnson, Galva, on a massive 1750-pound bull. They also had junior champion female.

Keeping it in the family, Johnson Bros., Ida Grove, had grand champion female and junior champion bull. Firsts also were won by Lloyd Albers, Sutherland; George Clark, Worthing, S. D.; Wayland Hopley, Atlantic. There were eight exhibitors. Judging of Angus and

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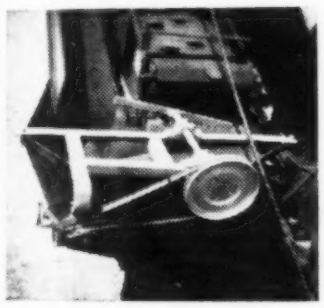

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DOES WORK OF A DOZEN MEN

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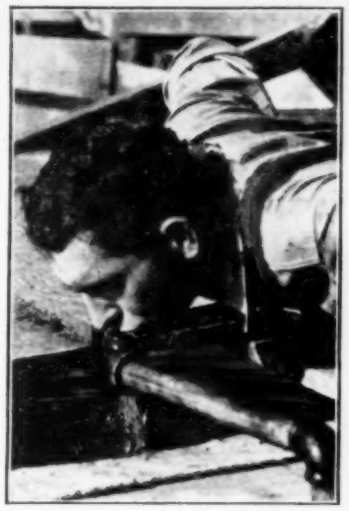

Spring comes in handy for Lyle Johnson, Marshall county, Iowa, cattle feeder. Son Maynard drinks from pipe connecting spring and a feed-lot stock tank.

Herefords was by A. L. Harvey, University of Minnesota.

Seven showed beef Shorthorns. These were judged by Gilbert Elken, Jr., Mayville, N. D.

Clausen Bros., Spencer, showed champion Shorthorn bull and female. Both reserves were won by S. A. Donahoe, of Sioux Falls, S. D.

Three of the four exhibitors of Herefords divided first honors. Champion bull and reserve female were picked from the polled herd of F. P. Westcott, Denison. Ralph Halstrom, Cherokee, had reserve bull. Ed Wiese & Son, Manning, had champion female.

All dairy stuff was judged by C. Y. Cannon, Iowa State College.

Ayrshires had a strong show (9 exhibitors). Eite Roskens, Milford, had junior and grand champion bull. Ben Nannen, Pierson, had senior and grand champion female. Fred Diischer, Alta, exhibited the junior champion female. Vernon Lundquist, Dolliver, won several firsts.

In Milking Shorthorns (6 exhibitors), R. E. Perkins, Estherville, took both senior and grand championships. Hilmer Larsen, Wallingford, had both junior champions.

Spies & Lien, Graettinger, lacked one of taking all blues in Holsteins. W. T. Henderson, of Paullina, got the other one. There were five exhibitors.

Sternberg & Mullenix, Milford, came out similarly with Guernseys. Glea Lloyd, Terril, took two firsts. There were four Guernsey exhibitors.

On Brown Swiss (4 exhibitors), Hans Wunder & Son, Milford, had senior and grand champion bull. E. T. Telleen & Sons, Gowrie, showed junior champion bull and the female champions. T. H. Luitjens, Ashton, got three placings in the blue.

Jersey championships went to Duane Dudley, Churdan (junior and grand champion bull); Roy Hanna (senior champion bull); Merle Simpson, Terril (senior, junior and grand champion female). Five exhibitors.

There were 253 pigs in the Clay county 4-H market litter show. Wayne Hanson won first with a litter of eight uniform pigs. These were crossbred Duroc and Poland pigs, six months old. They brought 33½ cents per pound in the sale. Grand champion barrow was a Duroc shown by young Ted Mincer. It sold at 85 cents a pound.

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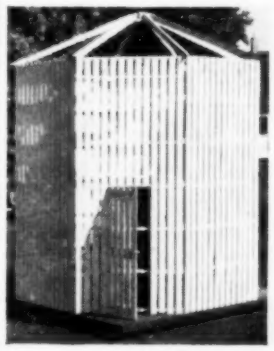

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Capacity—650 bushels. Don't wait, order now. Price (As Pictured) $394.00 Weight 1750 Lbs.

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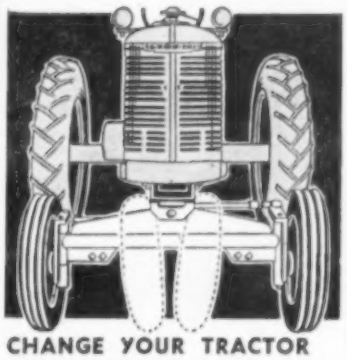

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Also made for IHC 123, 125, Cockshutt 112, 115 SP Combines. At your Dealers' or order direct.

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313 E. 7th St. Pittsburg, Kansas

Bishman Wagon Unloaders

AT LAST! A simple, Long Life, inexpensive wagon unloader. Complete (3) wagon setup costs less than others charge for one. Save money! Save your back!

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World's FASTEST, EASIEST-TO-USE Fence Tool
Does 6 Hrs. Work in 3

Weighs 8 Lbs. Pulls ½ Ton!

Does more difficult fence work so much Easier, Better, Faster! Powerful, easy to operate. Mechanical "dogs" on strong hooks grip wire securely, hold wire away—prevent injury if wires break. Ideal for drawing both wire-ends taut for splicing. Pulls wires up or down. Handles all kinds of wire. Has many uses besides stretching and repairing fences. Built of finest materials. Main bar is 1¼" wide, full ¼" thick. Ratchet action is full 24". Thousands of farmers and ranchers will have no other—they insist it is the greatest tool of its kind. ORDER TODAY FROM YOUR DEALER. **$5.95**

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Mfg. Div., Dept. WF-9, Hastings, Nebr.

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ADJUSTABLE CORN PICKER HITCH
Exclusive AUTOMATIC COUPLER

- Two poles for price of one—Extends from 5' to 9½'.
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G-1 TONGUE $19.00 With Adjustable Wagon Hound
G-2 TONGUE $19.00 Box End for 4-Wheel Trailer

Immediate delivery See your dealer or send check or money order to
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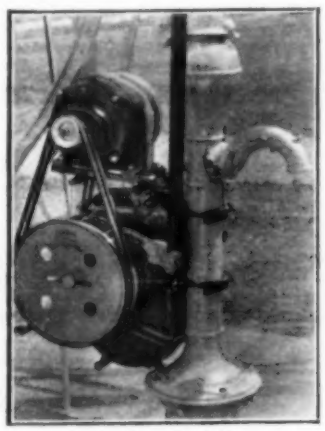
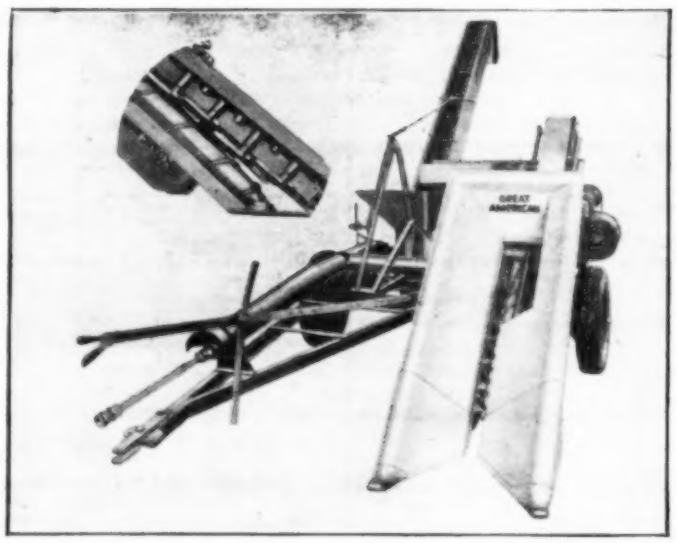
What's New?

No Joint in the middle of this disk. Blades always cut at the same angle. Depth at which the disk is run in the field is regulated by hydraulic power. The same kind of power is used to lift the blades when you are traveling on the road. This makes turning easy, and also makes it easy to lift the disk over sodded water-ways. Made by Dearborn Motors Corporation.



New Pump Jack has positive oiling and spiral gears. These features are claimed to make quieter operation and longer life. The unit is compact and bolts directly to the pump. The pump is driven by V-belts. The unit is made by the Baker Manufacturing Company.

Can Lifter on a track works so easy that a child can operate it. Equipment is aimed to save back strain on the operator, and also saves jamming the cans and cooler. The hoist is self-locking. Can be used where milk houses have either high or low ceilings. Made by Starline, Inc.



Corn Picker troubles are said to be reduced by this chainless model. Star-shaped cams are provided to guide the stalks into the snapping rolls. The cams are above the snapping rolls. With the exception of the elevator chain, there is only about 12 feet of high-speed roller chain on the engine. Manufactured by Great American Machinery Company.

Here's How Many Iowa Farmers Produce More Pork at Lower Cost

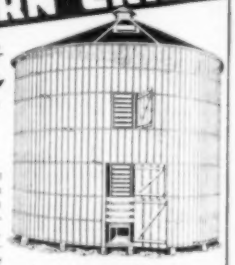
Start 'em right and keep 'em coming fast to reach markets ahead of the heavy fall rush. Thousands of feeders help step-up results and cut down on amounts of grain fed to increase their feeding profits the dependable Puritan way.

Get a Puritan Complete Feeding Program It will help you make the most of your grain. Ask your Puritan representative or write our Research Department, telling us what you have to feed. We'll advise a proven feeding program without obligating you.

Yeasts, Vitamins Minerals, Proteins
MIN-A-LAK — a mineral supplement — contains major minerals, essential trace minerals, vitamins and yeasts balanced to help get more feed value from your grains.
PURITAN-40 — a rich, 40% protein concentrate — contains amino acids essential to help develop quality livestock quicker and at lower cost.

PURITAN Laboratories, Inc. Des Moines, Iowa

LOOK! CHAMPION Ready-Built CORN CRIBS
Ready Now



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LOW FACTORY PRICES, cheaper, better and easier than building yourself.
WRITE US NOW. Also mfrs. Grain Bins, Silos, Hog and Poultry Houses, Garages, etc., for over 35 years.

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DEPT. W-10 WEST DES MOINES, IOWA

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W. F. Young, Inc., Springfield, Mass.

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Better Grinding
CUTS FEEDING COSTS

For many years GEHL Grind-all Hammer Mills have been famous for **quality grinding.** Good grinding increases feed value up to 100%. Animals eat more, waste less. The GEHL is **faster, cleaner-cutting, handier, easier-running, sturdier.** Gives big capacity with low power. Has 4-way reversible, swinging hammers; positive feed—no clogging.

A Real 4-Way Mill
1—Plain Hammer Mill. 2—Mill with Ear-Corn Crusher Feeder. 3—Mill with Cutterhead (first it cuts, then it grinds). 4—Combination Cutter, Grain and Roughage Mill with Screw Feeder. **WRITE** for literature and name of nearest dealer.

GEHL SINCE 1859 PRONOUNCE IT "GALE"
Manufacturers of Hammer Mills, Hay Chopper Silo Fillers, Truck Mounted Mills, and Forage Harvesters.
GEHL BROS. MFG. CO.
Dept. Hk-160, West Bend, Wis.
Since 1859
There's Nothing Better Than a GEHL

Keep on Buying UNITED STATES SAVINGS BONDS and STAMPS

"I like United best because it was a month after planting before I got rain to bring this corn up, and it's doing fine now," writes Harland L. Boyd of Indianola, Ia.

...that's why the Trend is to UNITED

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United Hybrid Grower's Ass'n., Shenandoah, Iowa

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Based on latest scientific data, this 16-page booklet tells how to make, cure and store silage. Write for it.

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MR. FIND-IT

HANDY INDEX FOR FARM BUYERS

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Page

FARM BUILDINGS:
Corn Crib Information 58-63

FARM MACHINERY AND SUPPLIES:
Body and Hoist Folder 58
Corn Hopper Aid Literature 63
Corn Picker Literature 38-40
Corn Shucker Literature 61
Farm Elevator Catalog 58-60
Farm Rod Holder 60
Feed Grinders, Mill, or Mixer Literature 12-20-64
Fencing and Roofing Literature 39-57
Hydraulic Hoist Literature 57
Hydraulic Scoop Literature 60
Hydraulic Scraper Information 57
Power Saw Literature 59
Power Take-Off Drive Literature 65
Tractor Cab Literature 38
Tractor Parts Catalog 58
Tractor Row Crop Conversion Folder 64
Tractor Seat Literature 60
Ventilating System for Poultry Houses Information 60
Wagon Unloader Information 64

FEEDING AND LIVESTOCK REMEDIES:
Mineral Feed and Feed Supplements Literature 3-14-21-79
Poultry Feed Literature 56

HOMEMAKING:
Color Schemes for Homes 48
Heating Information 38-50
Home Laundry Problems 47
Stove Literature 53
Water System Literature 40-53

SEED:
Corn Literature 16-22-27-41-58-61

MISCELLANEOUS:
Accordion Catalog 65
Explosive Information 63
Farm Loan Information 59
Rheumatism Booklet 54-61
Silage Facts 65
Soil Conservation Program 18

TELL THE ADVERTISER that you are writing him through his advertisement in WALLACES' FARMER AND IOWA HOMESTEAD.

Ducks Talk Of Politics

By DAN A. WALLACE

I DON'T like to talk politics or religion with other people. Where one goes to church or how one votes is a personal privilege.

I've always managed to duck political office, too. Except once, when my Minnesota neighbors elected me to be a township pathmaster. The duties of a pathmaster were to see that the poll taxes were worked out on the roads.

Perhaps I was a selfish office-seeker. But it so happened that the roads near my farm in the cut-over area of Kanabec county, Minnesota, were pretty bad.

It was a one-term job. And once those roads were fixed, I went back to ducking again.

Recreation is one of the profitable crops they sell up this way every year. And it is a favorite spot for many corn belt farmers who want to invest in rest and relaxation.

Last year, while I was out fishing crappies one evening after supper, a boatman came nearby and we got to talking between bites. My fishing friend turned out to be an Iowa farmer, living east of Ames. I had been to his father's farm once, to buy melons.

He told me that he was one of the first farmers down that way to grow hybrid corn. And he remembered how the neighbors laughed at his foolish notion.

Since then, hybrid corn has expanded the corn belt north and west, and more than 90 per cent of the farmers in the north-central states grow it.

Some years ago, while working at an editor's desk in St. Paul, I kept up my contact with farm life by living on a 10-acre truck farm.

Among other things, I had an acre of asparagus, which I sold on the way to work. But I couldn't make any money on it because most of the crop came at flood-market season and brought only about 10 cents for three bunches.

I often wonder what the results would have been if there had been freezing units at that time, and locker systems.

Now I have a locker full of raspberries, green peas and corn on the cob, all grown on my little farm. And to go with that good meal, there is frozen pike from the lake nearby.

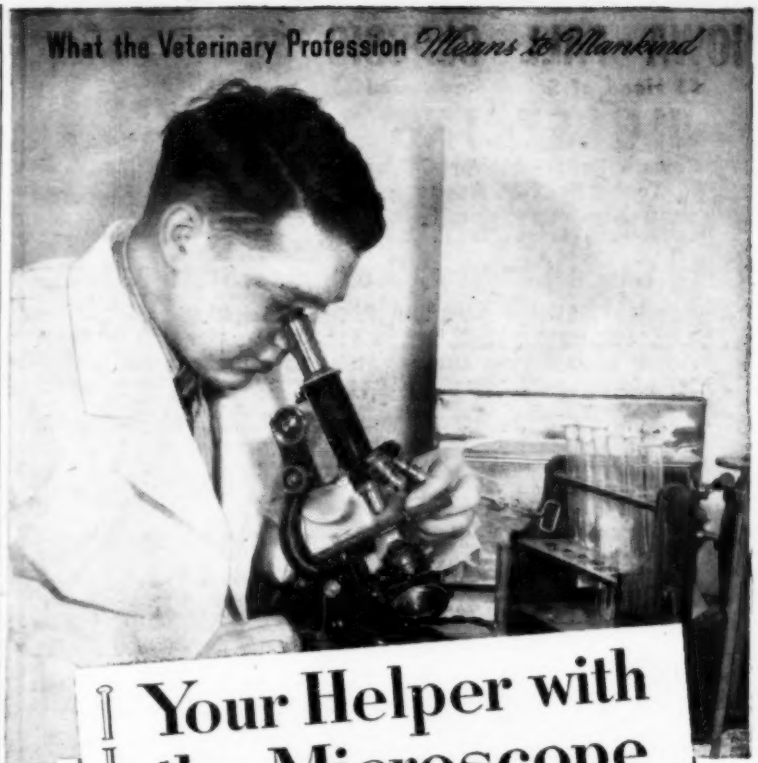
That's going quite a way from my boyhood days on the farm, when we kept the milk and cream sweet by hanging a bucket down in the well.

Old Dobbin just will not give up to the gas wagon. To prove it, listen to those night harness races over the radio. Or go out to the race tracks of the west or east.

Out in the range country, they are even raising a new breed of race horses. They call them "quarter-milers"—sturdy, tough horses with a fair amount of speed.

The Palomino, fancy in color and appearance, has also escaped the extinction of the farm horse.

All this will make it unnecessary for the children of generations to come to go to the zoo to see what a horse looks like.



Your Helper with the Microscope

On your farm, the worst livestock killers are invisible. They creep up unseen . . . deadly germs and viruses . . . to spread death to your pigs, cows, poultry, and other stock. Were it not for this veterinarian behind the microscope . . . losses from these hidden killers might be much greater than they are. He checks obscure diseases, detects dangerous bacteria and viruses, interprets complex tests of blood and tissues. This man, and your veterinarian, working hand in hand are adding millions to the nation's livestock profits, preventing losses by prompt and ACCURATE diagnosis.

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Under the Sponsorship of Associated Serum Producers, Inc.

CORN GROWERS ATTENTION!

Ask Your Dealer Now for

Pioneer Economy Corn Cribs

• ALL STEEL
• RAT PROOF
• EASY BUILT
• DEMOUNTABLE
• LOW COST

• Capacity 672 Bu. to 2016 Bu.

SQUARE CRIB ERECTED TO CAPACITY DESIRED WITH STEEL SECTIONS

16 sections make 672 bushels capacity.
24 sections make 1,008 bushels crib etc.
Each crib includes 2 doors.
Crib sections 8 feet wide by 12 feet high.

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WOLLARD-DUNN CO.,

222 2nd St., Des Moines, Iowa — Phone 4-3651

—SAVE MONEY THE EASY WAY—BUY SECURITY BONDS NOW—

IOWA FALL CLASSIC

55 Head of Select Registered

HOLSTEINS

Cows - Bulls - Heifer Calves
To be Sold at Auction

MONDAY, OCTOBER 18th

Dairy Cattle Congress Grounds, Waterloo, Iowa

"GET 4-H AND FFA PROJECTS HERE"

Many heifer calves donated by the best breeders in Iowa will be sold. Check with your County Agent or write to Iowa Holstein Breeders for sale starting time.

SOME OF THE ANIMALS TO BE SOLD INCLUDE

A straight four year old to freshen by sale day to the service of Villisca Perfection DeKol, 1st prize bull calf, Iowa State Fair 1947, 2nd prize senior yearling 1948, and 3rd at Waterloo, 1947. Her DHIA records on 2x and under ordinary farm conditions at 3 yrs. 3 mo. of age were 334.8 lbs. fat and a 4.0% test. Consigned by Fred K. and Richard K. Broene, Gladbrook, Iowa.

* * *

A bull consignment born December 26, 1946. His sire, Sir Rea Ormsby Dean, has dired sons selling for as high as $5,000 at 3 months, and $6,000 at 12 months of age. Dam of this consignment, Yankton Helio Fobes Segis 2308815, produced 609 lbs. fat as a 4 yr. old on 3x and 15,567 lbs. milk testing 3.9%. Consigned by Maytag Dairy Farms, Inc., Newton, Iowa.

* * *

A splendid cow that has a herd test record of 489 lbs. fat and 14,451 lbs. milk at 5 yrs. of age on 2x. She is bred to Governor Pride Transmitter 949037. Consigned by A. J. Meyer, Westgate, Iowa.

* * *

A 5 yr. old cow bred to Sir Transmitter Majesty and due November 11, 1948. At 3 yrs. of age she had 361 lbs. fat and 10,829 milk on 2x. She is a granddaughter of Maytag's Posch Ormsby Fobes. Consigned by J. E. Bryant and Sons, Zearing.

* * *

Two maternal sisters, both with over 450 lbs. fat on 2x as 5 yr. olds. Consigned by Manbernee Farm, Wellman.

* * *

A 700 lb. fat, Rag Apple bred cow and her heifer calf. Consigned by Esch & Gingerich, Wellman.

* * *

Alfred Paper, Stockton, has consigned a 2x 582 lb. fat junior three-year-old. Her dam has 687 lbs. as a nine-year-old and 644 as a ten-year-old, all 2x milking. He is also selling a pair of full sisters, 4 and 5 years old, both with over 500 lbs. fat.

* * *

Rex Finster, Eldora, consigns a bred heifer and a 10-month-old bull to the sale. The heifer is sired by Hope View Fobes Aspirant and out of a 505 lb. three-year-old on 2x milking. The consignment is a double granddaughter of Posch Ormsby Fobes 11th, Reserve All-American two-year-old 1937, and Grand Champion, Iowa, the same year. The bull is sired by Sunnybank Sponsor and a maternal grandson of Hope View Fobes Aspirant. This young bull's dam made 497.8 lbs. fat on 2x as a three-year-old after calving twins. She again calved twins as a five-year-old and in 278 days 2x made 462.9 fat and 12,592 milk.

* * *

Centralia Milk Farm, Story City, consigns a bred heifer and service age bull. The heifer is bred to Sir Transmitter Majesty and is out of a dam that in the eighth month of her first lactation on 2x gave 35 lbs. of 4.3% milk in 31 days. The bull is a son of Sir Transmitter Majesty and out of a 503 lb. fat dam on 2x milking on her first lactation.

* * *

A six year old cow sired by the highest proved sire in Fayette No. 3 DHIA and out of a 483 lb. dam as a junior four-year-old on 2x. The consignment has four DHIA records, all over 400 lbs. Also a service age bull from a dam with 426 lbs. fat, 2x, 3 yrs. of age. Clyde I. Sorge, Randalia.

* * *

Two females and two bulls, all carrying much of the blood of King Ormsby of Iodak whose index M3x basis on 25 prs. is 639 lbs. fat, 15,810 lbs. milk and a 4.04% test. Argil Farm, Sumner.

* * *

A yearling bull, Transmitter on both sides, and a cow with 489 lbs. fat in 292 days on 2x her last lactation. A. J. Meyer and Herbert Nanholz, Westgate.

* * *

A young cow bred to Transmitter Perfection Charity, double grandson of Transmitter, to freshen by sale date. The consignment had 467 lbs. fat on 2x in 339 days as a 2 yr. old. Herbert W. Malven, Maynard.

* * *

A 5 yr. old heifer and 16 month old bull from Donald Rebsler, Gladbrook. The heifer is due in November to the service of Villisca DeKol Perfection, and her sire is Milco Felsetp Hoeds Star, classified Very Good. The bull is out of a 582 lb. fat 4 year old on 2x.

* * *

Oakdale Sanatorium, Oakdale, consigns a male and female really backed by production. The male's dam had 635 lbs. fat at 4 yrs. in 365 days on 2x. The female's dam had 626 lbs. fat at 6½ yrs. of age. This consignment is due to freshen by sale day to the service of her own sire, IBC Fobes Ormsby Dictator.

* * *

A 5 yr. old bred to Past Roamer and due about sale date. She has a record of 324 lbs. fat in 312 days at 2 yrs. on 2x. She has been champion 4-H club heifer twice. Her dam classified "Excellent" and has many records ranging from 402 lbs. as a two-year-old to 550 lbs. as a three-year-old, all on 2x. Consigned by Dale Gerlach, St. Ansgar.

CATALOG FREE ON REQUEST—WRITE

Iowa Holstein Breeders Association

912 Waterloo Building — **Waterloo, Iowa**

Auctioneers Nels. G. Kraschel, Dave Yoder — Maurice Roney, Fieldman

---

REED-HAYDEN-GRANDFIELD SALE

Royally Bred Herefords

58 HEAD

10 Bulls — 48 Females

Creston, Iowa

TUESDAY, OCTOBER 12th

This offering is one of the most select that we have ever sold in Creston, Iowa, and are being consigned by T. M. Hayden, Creston, Iowa; C. C. Grandfield, Lorimor, Iowa, and Ira Reed, Orient, Iowa. Our offering is very strong in W. H. R. blood, so you may expect to find some splendid cattle in this sale. This means both along the bull line as well as the female line. Included are 10 bulls, one a 2-year-old W. H. R. bull, and the remainder will be yearlings. Some good bull calves may sell right off their mothers. There will be 32 yearling heifers and 2-year-olds, some bred and some open. Some sired by Ted Hayden's bull **W. H. R. CARDINAL 56th.** Selling two good herd bulls in this sale by him. E R 17th is selling, he by Supersith, and his dam is an own daughter of Real Prince Domino. Ira Reed is selling three yearling bulls by Mister Domino 85th. C. C. Grandfield is selling three good yearling bulls, one a son of Rupert K, and he is a good young bull. A lot of the cows in this sale will sell with calves at foot, good enough for 4-H calves. The Grandfield cows will be bred to a son of Rupert K, and Ira Reed's cows will be bred to a son of Royal Triumph 51st and Silver Knight the 18th. Write for our catalog at once and please mention Wallaces' Farmer and Iowa Homestead.

T. M. HAYDEN, Manager, CRESTON, IOWA

Auctioneer, H. L. Hull — Filedman, M. T. White

7TH ANNUAL

South Eastern Iowa Holstein Breeders

(In Swartzendruber sale barn)

Wellman, Iowa, Oct. 12th

55 REGISTERED AND HIGH GRADE CATTLE

30 Registered 25 Grades

30 young cows, springers or just fresh, with calves at side. Some with records from **350 lbs.** to **500 lbs.** One with lifetime average above **400 lbs.** One classified (Very Good). Includes a Dispersal of **8** grade cows. (Several with heifer calves) among the best sold in Iowa this year. **10** two year-old springers up to **1,250 lbs.** in weight. **8** open heifers from calves to long yearlings. **2** selected Registered bulls, out of dam up to **500 lbs.** fat. All bulls of serviceable age. **OPPORTUNITY DAY** the Breeders of southeast Iowa are going all out to really make this opportunity day for buyers needing top foundation breeding stock or high class commercial cows. Blood lines are **ORMSBY, RAG APPLE, BURKE, TRANSMITTER, CARNATION** and others. All **T.B.** and **BANGS** tested . . . many calfhood vaccinated. Come. Ask now for **FREE** catalog. Please mention this publication. Address

CO-MANAGERS:

CLARK GINGERICH, Wellman, Iowa — CLAUDE E. WYLAM, Waverly, Iowa

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SHORTHORN DISPERSION

Sale at Farm just south of Kansas City

GRANDVIEW, MISSOURI, OCTOBER 20th

8 GREAT BULLS — 55 BEAUTIFUL FEMALES

A complete Dispersion of one of the truly great herds of Shorthorn cattle, owned by **L. Russel Kelce.** The offering includes the great herd sire **CALROSSIE SUPREME** (Imp.) and other excellent sires. A few choice young bulls. The females are the best we have ever owned, sired by leading herd sires, rich in breeding and displaying type and quality. Make plans to attend. Ask for **FREE** beautiful illustrated catalog. Kindly mention this publication. Address

MERVIN F. AEGERTER, Sale Mgr., SEWARD, NEBRASKA

DUROC SALE

Near Fort Dodge, Iowa,
at farm 1 mile south and 4 west of

DUNCOMBE, IOWA

OCTOBER 21st

NEBRASKA SPECIALTY

35 Spring Boars—6 Fall Boars—20 Sows with Litters—10 Gilts

Twenty good sows selling with their litters sired by **NEBRASKA SPECIALTY,** 1st at Iowa and Grand Champion at Spencer. He being a full brother to Hyland Husky. Included in the fall boars will be two top prospects by Low Set. The spring boars and gilts are a pleasing lot being the farmer kind that should prove profitable for their buyers. Plan now to attend and purchase good doing hogs at your own prices. Mention this publication when writing for **FREE** catalog.

PAUL HIVELEY, DUNCOMBE, IOWA

CHESTER WHITE SALE

at farm north edge of

OSKALOOSA, IOWA, OCTOBER 15th, 1 P. M.

25 Spring Boars — 30 Spring Gilts

ALL MY HERD SOWS AND THEIR SEPTEMBER PIGS

Featuring a litter by **BROADWAY,** 1947 Iowa Grand Champion Boar and out of the top gilt in Iowa State Show and Sale, and a litter out of the top P. R. sow in America in 1947. Also two fall boars and my great herd boars **IOWA MASTER,** and **HOOVER PERFECT MEDIUM,** sire of the $450 bred gilt in Kansas Sale last spring. Write for catalog to

MR. AND MRS. HERBERT F. HOOVER

ACTIVE ACRES PENN DAIRY — OSKALOOSA, IOWA

Junior and Grand Champion sow at 1948 All-Iowa Pig Congress.

BETTER CHESTER WHITES

Sale at farm on Highway No. 218
7½ miles south of Vinton

VAN HORNE, IOWA
OCTOBER 19th

50 HEAD — 30 BOARS — 20 GILTS

A grand offering sired by **THE ARISTOCRAT, CHAMP. JR., FASHION MODEL 2d** and **TRU BALANCE** and out of top Top Breed sows. We sell the 1948 Reserve Junior boar at Iowa State Fair and Reserve Champion. A littermate boar and two gilts. Plenty more of equal quality. Come. Ask for **FREE** catalog. Please mention this publication. Address

WALTER SCHMINKE & SON, VAN HORNE, IOWA

NORTH IOWA GUERNSEY SALE

At North Iowa Fair grounds

MASON CITY, IOWA, OCTOBER 23rd

STARTING AT 12:00 NOON

62 Head] 35 PURE BRED FEMALES / 7 SELECTED BULLS / 20 HIGH GRADE FEMALES

Choice fresh cows and springers, bred and open heifers. Some calves dropped after July 1, 1948 for **4-H** or **F.F.A.** Club work. A class of cattle that will please. Good quality and best lines. Sale under auspices of District 3, Iowa Guernsey Association. Plan to attend. Ask for **FREE** catalog. Kindly mention this publication. Address

PAULA M. SPROLE, Box 76, MASON CITY, IOWA

Auctioneer, Robert Seitz, Pedigrees, Olaf Kome.

MINNESOTA NO. 1 HOG SALE

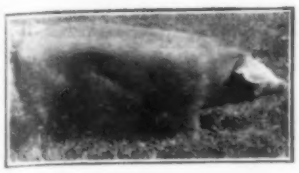
Located 13 miles southwest of

PIPESTONE, MINNESOTA, OCTOBER 7th

100 HEAD—BEST OFFERED THIS SEASON

50 TOP QUALITY BOARS

50 OUTSTANDING GILTS



A MINNESOTA NO. 1 BOAR

A MINNESOTA NO. 1 GILT

The breeding stock for this herd has been selected with the utmost care from the **UNIVERSITY OF MINNESOTA** and represent, the very finest blood lines, which have been tried and proven and the sort that has produced, the most popular hogs for the **AMERICAN FARMER** today. The kind that will be most profitable and market their feed economically.

The offering of **100 head** affords a wide selection and have been selected from a large pig crop. All are nicely grown, displaying the usual **MINNESOTA No. 1**, excellent quality, type and merit.

This herd is well known for the Real **MINNESOTA LENGTH**, and sires have been used for their exceptional large **HAMS**. If you want the best in **MINNESOTA NO. 1 HOGS** you can find them in this auction. Make plans now to attend. Ask for **FREE** catalog. Please mention this publication.

L. E. DAILEY & SON, PIPESTONE, MINNESOTA

Auctioneer, Tony Kuhle

MINNESOTA

Shorthorn Breeders Association

SHOW 9:00 A. M. **SALE 1:00 P. M.**

Located just north of state line at Fair grounds

Redwood Falls, Minn., October 19th

57 HEAD 25 Good Rugged Bulls
32 Richly-Bred Females

The breeders of Minnesota have drawn deep into their herds and selected top quality, well-bred cattle. The bulls are mostly ready for service and include herd bull material. The females include cows with calves and rebred, choice bred females and a few attractive open heifers. The consignors are:

George Laurisch	Minnesota Lake	McIver Bros.	Farwell
Sylvester Wesley	Waterville	John Haase & Son	Blue Earth
Vern Steiplugh	Houston	Femco Farms	Breckenridge
George Arntzen	Granit Falls	H. A. Kraft	Correll
Ed. Janssen	Worthington	Irvin M. McKay	Delhi
R. Esterlee	Albertsville	Norman T. Findahl	Waterville
Chas. Ewald	Waldorf	Albert Zimmerman	Le Center
Otto Hansen & Son	Walnut Grove	Fred Lee	Britton, S. D.
Gilbert Elken, Jr.	Mayville, N. D.		

They are in practical condition—all in favor of the buyers. You can find desirable quality and purchase cattle that will prove profitable. All **T.B.** and **Bang's** tested. Plan now to attend. Please mention this paper when writing for **FREE** catalog.

NORMAN T. FINDAHL, Sale Mgr., WATERVILLE, MINNESOTA

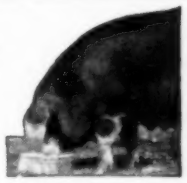
Auctioneer, J. E. Halsey Maurice Roney, Fieldman

POLAND SALE

at the Fairgrounds

HAMPTON, IOWA

NIGHT OCTOBER 13th



40 BOARS — 20 GILTS

Solve your hog problems by spending the evening in Hampton. We feature Polands of outstanding feeding quality, soundness, and pleasing type. We will sell the 5th prize Senior boar pig at the recent State Fair. Will also sell several good fall boars. Most of the offering is sired by **AMAZON** and **CYCLONE**, 1st prize F.F.A. at Iowa 1947. See these before you buy. Plan now to attend. Please mention this paper when writing for **FREE** catalog.

BROWN & BROWN, HAMPTON, IOWA

—START SAVING NOW THE EASY U. S. SECURITY BOND WAY—

INTERNATIONAL

Live Stock Exposition and Horse Show

November 27 to December 4

UNION STOCK YARDS - CHICAGO

$100,000 IN PRIZES

Plan Now to Exhibit and Attend!

Premium Lists are now available and will be mailed on application. Entries close November 1. For Carlots, November 20.

Spectacular Horse Shows Daily
Carlots Fat Cattle, Sheep and Swine
National Sheep Shearing Contests
Huge Meats and Wool Show
International Grain and Hay Show
National 4-H Club Congress

INTERNATIONAL AMPHITHEATRE

Home of the International Live Stock Exposition

Chicago Feeder Cattle Show and Sale

Union Stock Yards, Chicago

October 28 and 29 Entries Close October 22

WM. FUDGE AND T. J. EHRMAN & SON SALE

POLAND SALE

Atlantic, Iowa

NIGHT SALE

OCTOBER 20th

Twenty very choice spring boars and 15 very excellent gilts selling in this sale from the herd of Wm. Fudge. Our boars are sired by Kenn Cutter by Universal and by The Record by Reconversion. One or two litters by King The First by King Cole. We are selling 10 open very top spring gilts in this sale.

T. J. EHRMAN'S OFFERING

We are selling 20 boars and gilts in this sale and we think we will be able to show you some of the very best that will be sold this fall. These are sired by Black Gold, by Entire and Record Prince by The Record.

Just take it from us there will not be many better offerings in western Iowa that will be better than we are selling in this sale. We have the boars and the sows that are going to please you if you are looking for the good, well bred ones. Write us at once for catalog and please mention Wallaces' Farmer and Iowa Homestead. Write either

T. J. EHRMAN & SONS, or WM. FUDGE, ATLANTIC, IOWA

H. S. Duncan, Auctioneer M. T. White, Fieldman

+ POLAND CHINA SALE +

"NEW LOOK"

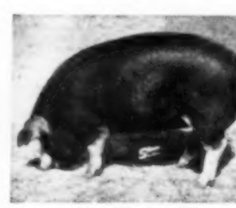
at farm 3 miles south, 2 east and ½ south of

CLARION, IOWA

OCT. 12th

40 BOARS
10 GILTS

A Few Fall Boars, Several Sows with Litters



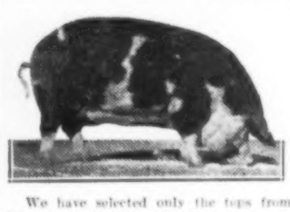
CENTENNIAL'S QUEEN

A very select offering backed by many generations of quality and production. They are sired by boars that have proved their ability in siring the right kind. Will offer some outstanding well-grown boars by **NEW LOOK**, who sired the 1st spring gilt, Junior Champion, and Reserve Champion at the 1948 Iowa State Fair. Others sired by **CENTENNIAL** and **KEEP SAKE**. The 2nd Senior Boar pig at Iowa and the 1st Junior pig at Spencer, both sell! Included in the fall boars will be a full brother to the Minnesota Grand Champion Sow sired by Centennial. Will also sell some sows with their big healthy litters. Farmers and breeders will find good Polands to suit their needs. Plan now to attend. Please mention this paper when writing for **FREE** catalog.

OSCAR D. LARSON, CLARION, IOWA

Send bids to Maurice Boney, Fieldman, in our care.

SPOTTED POLANDS



at the farm 4 miles south of

Hull, Iowa

Tues., Oct. 12th

NIGHT SALE

50 Boars 10 Gilts

We have selected only the tops from our large crop of well doing spring pigs. There will be 50 big, thick, heavy boned boars that will satisfy the most critical farmer and breeder buyers. This is a very uniform offering with a lot of style and smoothness sired by **CORNER STONE** and **PROMOTER**. We will also sell a few top gilts. Solve your hog problems by spending the evening with us—you will like them. Mention this paper when writing for the **FREE** catalog.

GERRIT KEMPERS & SON HULL, IOWA

POLAND CHINA SALE

Sale at Farm

MT. VERNON, IOWA

TUESDAY, OCTOBER 12th

60 Head — 35 Boars — 25 Gilts

An excellent offering of boars and gilts sired by **F's FASCINATION ALL-IN-ONE** and **F's ENTERPRISE**. At the 1948 National Barrow Show placed 7th with lightweight truck-load. 41 loads shown. Received 4th place on heavy weight load. 13 shown. Grand Champion load 1947. Reserve Champion load 1946. Plan now to come and write for free catalog. Please mention this publication.

EDWARD E. FOREST & SONS, MT. VERNON, IOWA

High Quality Hampshires

(Sale at farm ½ mile east of town)

Lost Nation, Iowa NIGHT SALE **Sat., Oct. 16th**

Starting at 7:30 P. M.

75 HEAD Selected from one of the long-established Herds. 35 top boars and 40 excellent gilts. Sired by **PLEASANT VALLEY A**, **UPWARD SPECIAL**, a son of Upward Bound and **IOWA MISCHIEF** by Mischief Maker. A practical herd with over **25** years of planned constructive breeding, with the object to produce dependable breeding stock for the man that produces **MARKET** pork. This offering will fill the bill. The type and quality will please. **COME!** Ask for **FREE** catalog. Kindly mention this publication. Address

ORBEN SCHOFF, LOST NATION, IOWA

—SAVE MONEY THE EASY WAY—BUY SECURITY BONDS NOW—

$8,000,000 Fire Loss

Property damage due to fires in Iowa last year averaged $3.25 for every person living in the state. The total loss amounted to $8,297,073, the highest since 1931, when the damage totaled $8,593,966. The fireworks blaze at Spencer caused more than one million dollars' damage that year.

The figures were contained in the annual report of the state fire marshal, John W. Strohm.

Fire damage during 1947 was almost two million dollars higher than in 1946. The loss resulted from 4,032 fires, 59 more than the previous year.

Last year, 118 persons were killed by fires in Iowa. Of these, 85 were adults and 33 were children under 15 years of age.

The report showed that December was the most dangerous month for fires last year. The damage for the month totaled $1,175,939.

Two counties, Bremer and Osceola, reported no fire damage for the entire year.

The rural fire loss in 1947 reached a total of $1,959,877, an increase of $8,572 over 1946.

Fires from unknown causes damaged $3,818,937 worth of property last year. Blazes in adjoining buildings or lots resulted in a loss of $613,573. Damage from fires caused by defective electrical wiring totaled $483,434, and overheated stoves and heating plants brought a $463,083 property loss. Careless smokers were the cause of fires costing Iowans $212,782.

Homes bore the brunt of the Iowa fire loss in 1947. Damage to the 1,607 homes totally or partially destroyed amounted to $1,521,317. Warehouse and storage fires were the next most expensive. The $1,350,427 loss was the result of 116 different blazes. The factory fire loss was $831,145. There were 49 fires in factories during the year.

The state fire marshal's office made 70 arson investigations in 1947 and obtained 23 confessions, according to the report. More than 200 fire safety hazards were investigated and corrections were ordered. Other inspections included 350 liquefied gas installations, and the investigation of all state institutions as required by the state law.

Higher Hog Returns

Why do some farmers earn much higher returns from their hog enterprises than do their neighbors?

Some of the answers to this question were found in a survey of livestock production costs on 40 farms in Indiana, by Purdue University.

Size of the enterprise is usually a key factor. In sections where hogs are well adapted, the size of the hog enterprise should be as large as possible, and be consistent with the over-all livestock program and ability of the farmer. On farms studied, as the size of the hog enterprise increased, labor per hog fell.

Farmers raising around 100 hogs each used about 3.6 hours of direct labor per 100 pounds of pork produced. Farmers with larger enterprises, producing almost 400 hogs each, used only 1.6 hours of man labor per 100 pounds of pork produced. As a result, farmers with the larger herds earned, on an average, about eight times as much per hour of hog labor as farmers with smaller herds.

Cost of producing pork, which included feed, building and equipment, labor, and interest, was about the same for farmers producing an average of approximately 200 hogs or 400 hogs, but pork produced from the small herds cost about one-third more.

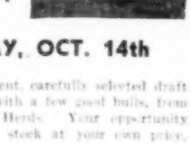
The small herds took more feed, partly due to less complete use of pasture acreage charged to them, and labor than did the medium-sized or large herds. The lower costs on the large enterprises were not due to size alone. Good management practices are essential, regardless of the size.

The largest labor consumers, with the two-litter system, are winter feeding and spring farrowing and suckling. Winter feeding consumed 26 per cent of the time and spring farrowing used 12 per cent.

MILKING SHORTHORN SALE

At Bradford Sale Barn

MANKATO, MINNESOTA,



THURSDAY, OCT. 14th

A choice consignment, carefully selected draft of cows and heifers with a few good bulls, from the best Minnesota Herds. Your opportunity to secure foundation stock at your own price. Ask for FREE catalog. Please mention this publication. Address

R. E. HODGSON, Secy., Waseca, Minnesota

DINNER: Saulpaugh Hotel, Oct. 13th. Come!

ANNUAL

OLMSTEAD COUNTY HOLSTEIN SALE

—40 **YOUNG COWS AND HEIFERS.** A few just fresh and the others due within 60 days. All have 400 lbs. fat or more or heifer records in preparation.

—10 **OPEN HEIFERS.** Splendid individuals of rich breeding and from high producing dams.

—12 **SERVICEABLE BULLS.** Dandy individuals and all are from 400 or better dams. Popular blood lines.

PABST, CARNATION, RAG APPLE and TRANSMITTER BREEDING

MON., OCT. 11

1 P. M., FAIR GROUNDS

ROCHESTER, MINN.

Liberal Terms

For Free Catalog Write

MINNESOTA SALES CO.,

Rochester Minnesota

DUROC BOAR AND GILT SALE

At Farm, 2 miles west and 1 mile north of

LEHIGH, IOWA

MONDAY, OCTOBER 18

Selling 50 boars and gilts. They are well grown, dark colored with plenty of width and depth, good ham and excellent top and underlines. They are sired by **CHARTSON SPECIAL, PERFECT FANCY 2nd**, and **BETTER-YET**, a top son of **KANT-BE-BETTER**. Excellent breeding and quality. Some real herd boar and herd sow prospects here. Plan to attend. Write for FREE catalog. Please mention this publication.

NELS LINDHART & SONS

Lehigh Iowa

CHESTER WHITE SALE

At Farm 10 Miles Northeast of Oskaloosa

New Sharon, Iowa, October 6th

80 Head: 25 top Spring Boars and 55 extra fine Gilts

Sired by **MASTER'S PRIDE** by Master a son of Leader and **FASHION'S MODEL**. Two great herd sires. Real herd boar prospects. An outstanding Fall boar **MASTER'S CHAMP** by Master's Pride, an excellent boar. A wonderful offering of gilts by same sires. Boars and gilts of one quality, everything you desire in better **CHESTERS**. Excellent blood lines. **COME.** Ask for FREE catalog.

NICK TERPSTRA & SONS

NEW SHARON IOWA

THE MISSOURI STATE O. I. C. BOAR AND GILT SALE

SATURDAY, OCTOBER 9th

Patrick Sale Pavilion—1:00 P. M.

BOONVILLE, MISSOURI

44 HEAD — 14 BOARS AND 30 GILTS

Consigned from the Top O. I. C. Herds in the State. The entire offer is Registered and Cholera Immuned. We feel you will like this fine offering. The Consignors have endeavored to bring you a good group of Spring boars and gilts. Plan on October 9th to be the guest of

THE MISSOURI O. I. C. ASSN., INC.

A catalog awaits your request. Write

DONALD J. BOWMAN, SALES MGR.
Hamilton, Missouri

Auctioneers: Col. Darwin Johnson and Col. R. D. Patrick

POLAND CHINA SALE

Fall and Spring Boars
Spring Gilts

SATURDAY NIGHT, OCTOBER 16th

50 HEAD

Ogden Sale Barn
Write for catalogue

JOE H. SAUNDERS, OGDEN, IOWA

ALLIS-CHALMERS WC TRACTOR OWNERS. You Need The New **TWIN DRAULIC TWIN DISC XTRA CLUTCH** giving live, continuous Power Take Off. Saves Time, Labor, Repairs. Get more efficient operation from your Combine, Baler, Chopper, Picker, Hydraulic Pump, etc. Write for information. TWIN DRAULIC, Box 48, LAURENS, IOWA

Milking Shorthorn Sale

At Bradford Sale Barn

MANKATO, MINNESOTA

THURSDAY, OCTOBER 14th

A choice consignment, carefully selected draft of cows and heifers with a few good bulls, from the best Minnesota Herds. Your opportunity to secure foundation stock at your own price. Ask for **FREE** catalog. Please mention this publication. Address

R. E. HODGSON, Secy.
Waseca, Minnesota

DINNER—**Saulpaugh Hotel, Oct. 13. Come!**

The 1st Annual Southeast Iowa

AYRSHIRE AUCTION

to be held at Swartzendruber's Pavilion

WELLMAN, IOWA

Tuesday, October 19th

Featuring the Preferred Pedigree bull Susie's King Windrow, a son of Penshurst Donell and out of a daughter of Neshaminy Kingfish. A heifer consigned by Laneway Farms and a total of 35 selected females and 5 selected pedigree bulls. Don't miss this sale! For Catalog write

RICHARD M. SEARS, Sale Mgr.
GRINNELL, IOWA

GUERNSEYS

FREE "BREEDING GUERNSEY CATTLE"

SEND for valuable booklet on profitable Guernsey breeding. There's always a ready market for quality Guernsey offspring and an ever-increasing demand for premium-priced GOLDEN GUERNSEY MILK.
THE AMERICAN GUERNSEY CATTLE CLUB
896 Grove St., Peterborough, N. H.

BUILD A BETTER INCOME WITH GUERNSEYS

There's always a ready market for quality Guernsey offspring . . . a constant demand for premium-priced GOLDEN GUERNSEY Milk. Send for helpful, illustrated booklet, "Breeding Guernsey Cattle". It's FREE!
THE AMERICAN GUERNSEY CATTLE CLUB
896 Grove Street, Peterborough, N. H.

DOGS

Notice—Unsatisfactory dogs must be returned within time specified by advertiser. Buyer always pays express charges (both ways if dog is returned) unless advertiser states in advertisement that he will do so.

GENUINE ENGLISH SHEPHERD PUPS

Guaranteed heelers. Year's trial, training instructions. Males, females or spayed females.
HIGHVIEW KENNELS, CEDAR FALLS, IOWA

BEST YET
ENGLISH SHEPHERD PUPS

Guaranteed to bring home the cows. Year's trial. Choice of sex. Spayed females a specialty. Breed most.
CLOVERDALE FARM ACKLEY, IOWA

Purebred Border Collies English Shepherds
America's most useful dogs. Puppies all ages. Both sexes. Choice colors. Faithful workers. Satisfaction guaranteed.
We breed and sell our own stock.
FAIRMOUNT FARMS - CEDAR FALLS, IOWA

SHEPHERDS, COLLIES

ENGLISH SHEPHERD, OR COLLIE PUPS for watch and stock. Also registered Scotch collies. Reasonable.
ZIMMERMAN FARMS FLANAGAN, ILL.

GENUINE ENGLISH SHEPHERD PUPS

(Heelers, no fooling.) (Year's trial.) Guaranteed. Training instructions. Males, females, spayed females specialty. (Several partly trained.)
EMIL RUMFT
Reinbeck, Iowa

WANTED TO BUY

Good English Shepherd or Collie Pups
Write Box 1, Wallaces' Farmer and Iowa Homestead

FOR SALE
DOGS of the HUNTING BREEDS

Coon, Opossum, Mink, Squirrel, Fox, Rabbit dogs. Ten days trial. Write for full information and literature. Prices reasonable.
J. N. RYAN KENNEL MURRAY, KY.

Shomont Collies

Workers—Companions—Guards. Write for free lists.
SHOMONT FARMS AND KENNELS
MONTICELLO IOWA

HUNTING HOUNDS

Coonhounds, Combination Hunters, Foxhounds, Blueticks, Redbones, Blacktans. Reasonable. Pictures, list free.
ECHO VALLEY KENNELS, HERRICK, ILL.

DAISY Cattle Markers

COMPLETE WITH CHAIN. Brass tag for HORNS and neck. Write for folder.
GOLDEN ARROW FARMS
Dept. 25 Huntington, Ind.

When writing to our advertisers, please mention that you read their advertisement in Wallaces' Farmer and Iowa Homestead.

LIVESTOCK NEWS

The Henry Saggau and Harvey W. Johnson Hereford sale, at Denison, Iowa, September 16, attracted a large crowd, and they made one of the best sales in western Iowa this fall. They sold nine bulls at an average of $445 per head, the top being HS Duke 34th, and he went to John Wisdom, Bloomfield, Iowa, at $1,000. His Royal Triumph, a May yearling bull, went to Eugene Gosch, Ida Grove, Iowa, Iowa, at $460. The Wm. Esbeck bull, No. 50 in the sale, went to Chas. Johnson & Son, Dunlap, Iowa, at $500. Nine bull calves were sold right off their dams at an average of $171 per head. Thirty-eight cows and heifers, including calves, made an average of $406 per head. The top cow was No. 33, and she went to John Wisdom at $555. No. 34 went to Glen Green, Jolly, Iowa, at $400. John Wisdom took No. 9 at $400, No. 17 at $290, No. 23 at $370, No. 25 at $340, No. 33 at $555 and an extra cow from the Johnson herd at $435. Harry Hillman, Stuart, Iowa, took No. 16 at $430. E. P. Baker, Pomeroy, Iowa, picked off a nice cow in Duchess Comprest 26th, at $400, and Glenn Green, Jolly, Iowa, secured Miss Royal Mischief at $400. Other good buyers in this sale were Finchem Bros., Ames, Iowa; Harry Hillman, Stuart, Iowa; Wintermute & Ryan, Conway, Iowa; Thomas L. Hortling, Rockwell City, Iowa; John F. Fitzgerald, Roland, Iowa; Emory Fredericksen, Elk Horn, Iowa; Walter Shoemaker, Dow City, Iowa; Ray Pollock, Vail, Iowa, and a number of others. J. E. Halsey, of Des Moines, did the selling.

The 11th annual Central Iowa Angus Breeders sale, Marshalltown, Iowa, September 20, uner the able direction of Clair Mason, brought out a large attendance. Buyers were present from several states. The top bull, Barbo K. A. F., consigned by Koster Farms, Gladbrook, Iowa, sold for $1,000 to Clarence Lundt, Linn Grove, Iowa. Blackbird Bardoller G., from Greenmere Farm, Green Mountain, Iowa, sold for $900 to C. E. Williams, Griffin, Ga., who bought 16 head. Barb's Bardoller G., from Greenmere Farm, went at $825 to W. W. Hill, Newton, Iowa. The top female was College Blackcap 6th, owned by W. H. Sarsfield, and brought $630. She was purchased by Glenn Lovig & Son, Gilman, Iowa. Glenside Blackbird 150th, owned by Robinson Bros., Masonville, Iowa, a daughter of Prince Idol of Sunbeam, went for $580 to R. C. Hansen, Rowan, Iowa. Ethland 9th of Ames, another Sarsfield entry, sold for $575 to Orville Aves, of Melbourne, Iowa. The 97 females averaged $355, with 44 bulls at $461 each, and the 141 lots sold for $54,725, a general average of $389. R. C. Petersen, Charlotte, Mont., purchased 20 lots. Cattle went to buyers in Iowa, Nebraska, Indiana, Montana and Georgia. Auctioneers, Halsey and Mason.

The ninth semi-annual Shorthorn sale of the Southwest Iowa Breeders Association was held at Red Oak on September 13, with from 1,200 to 1,500 present, and it proved to be the best sale that this association has ever held. Forty-three head of registered Shorthorns made an average of $319 per head. The top price was $785, paid by Dale Bellows, Maryville, Mo., to John Saunders, Manilla, Iowa, for Cumberland Ransome 2d, the grand champion bull of the show, and he was one of the best champions that this association has ever had. The champion female was Gypsy Maid 30th, shown by McCone Bros., and she went to Tip Lucas & Son, Red Oak, Iowa, at $725. It was a grand, good lot of cattle, and the prices were very satisfactory. John Halsey was the auctioneer and sold all the cattle. New officers of the association were elected as follows: Ray Saunders, Manilla, president; Phil Kennedy, Lewis, vice-president, and Malcolm Lomas was re-elected secretary. Ray Gilman was elected manager for the sales the coming year.

The first annual Angus calf club sale that has ever been held at the Harken Farms, Osceola, Iowa, was held on September 11, with a nice gathering of people from that locality—and it was all right. It was held at a very busy time, when many of the professors and state associations were busy elsewhere, who would have materially helped in the outcome of the sale. Nevertheless, they made a very nice sale. They sold 55 head, and these were bull and heifer calves, a number of heifers, and some steers. They sold 55 head at an average of $165 per head. Doctor Harken and his brother intend putting on a field day some time next August, and this may become an annual event. So make it a point to be there when it is held. Col. Tom Sherlock did a nice piece of work in the selling of these calves.

The North-Central Missouri Angus Breeders sale, at Chillicothe, Mo., September 15, under the able direction of Lewis Anderson, secretary, brought out a very good crowd. The top bull was Lot 6, a son of Bar Prince 2d of Sunbeam, and sold for $660 to Willard D. Cole, Bethany, Mo. Black Peer 2d of Lewand's was the favorite of many. He is a son of The Peer of Lake Albans and sold for $605 to Jack Ray, Defiance, Mo. The top female was Witch 6th of Lewand's, from the Lewis Anderson farm, and sold for $750 to Roy Moore, Chillicothe, Mo. The seven bulls averaged $445, with 54 females at $309 each, and the 61 lots at a general average of $325. They went to buyers in Iowa and Missouri.

Wheat Yields Go Up

Lots of publicity about hybrid corn has tended to cover up some of the almost equally important developments that have been made in the breeding of wheat and other small grains.

Dr. Karl S. Quisenberry, head of the division of cereal crops of the United States Department of Agriculture, says that at least 200 million additional bushels of last year's wheat may be credited to gains made by the use of new varieties.

The agriculture department's wheat-breeding program began with the introduction of Turkey wheat from Russia, back in the early 1900's. Now 110 of the 216 improved varieties of wheat have been developed by federal and state agricultural experiment stations.

Plant breeders now are able to breed wheat hybrids for many different characteristics, such as winter hardiness, disease resistance, straw stiffness, quality and yield.

Plant scientists believe that they are just about to discover male sterile varieties of wheat, which would speed up the process of hybridization.

British Boost Livestock

Success of Great Britain's four-year Agricultural Expansion Program—which calls for big increases in livestock production—depends mostly on increasing imports of feed.

So far, the British haven't been able to boost their livestock industry back to pre-war size because of short feed supplies. Dairy cattle numbers have been maintained and even increased because milk had war-time priorities.

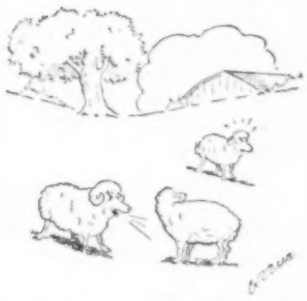
But the emphasis on dairying has cut beef cattle numbers. Sheep were cut down last year by bad weather. And British pig production still is very low.

Pastures Cut Costs

The cost of producing milk on good pasture is only 27 per cent as great as the cost of production on grain and hay. The difference between good and poor pasture is largely a matter of management, according to G. A. Williams, Purdue extension dairyman.

Pasture may be improved by using a mixture of legumes and grasses, which produces more milk per acre than usually is secured from either class of crops grown separately.

Production records in the Noble County (Indiana) Herd Improvement Association for the last year show that the herds which grazed on pastures of alfalfa and brome grass produced more butterfat per cow than those on any other kind of pasture.



"Now she wants a sheet. She says she can't stand wool next to her skin."

"Maybe we should not have asked our congressman for more rain."

MAKE A DATE TO SEE THE GOLDEN ANNIVERSARY

OF THE AMERICAN ROYAL LIVE STOCK & HORSE SHOW
KANSAS CITY, MISSOURI

The greatest show of all! $172,000 in prizes. A million dollars worth of livestock. Sixteen thrilling Horse Shows.

HORSE SHOW TICKETS
Mail Orders Before Oct. 10th
State dates desired. Enclose stamped addressed envelope, check or money order. Send to American Royal, 400 Livestock Exchange Bldg., Kansas City, Mo.

EVENINGS $1.75, $2.25 $2.75 — MATINEES $1.50, $1.75 and $2.00

Prices include Tax and General Admission to entire show.

8 GOLDEN DAYS AND NIGHTS!

Breeders Consignment

Milking Shorthorn Sale

Dairy Cattle Congress Grounds

WATERLOO, IOWA

SAT., OCT. 30th

45 HEAD
10 Bulls
35 Females

The JOE SPALLA herd, Ridgeway, Iowa, includes 5 cows to freshen soon; 5 2nd calf heifers; 8 yearling heifers; 7 heifer calves; 7 bulls up to serviceable age. ART ESCHEN, Lamont, Iowa, is offering 1 fresh cow; 5 bred two year olds and 1 serviceable bull. GERALD FAMMEN, Gilmore City, Iowa, offers 1 fresh cow; 2 heavy springers and 1 bull of serviceable age. There will also be other top consignments from leading breeders. Good quality, rich breeding and the profitable sort. Plan now to attend. Ask for **FREE** catalog. Please mention this publication. Address

WALTER KRUSE, Sale Mgr.
Sheldon, Iowa

B. B. Allen, Auct. Murray Reeser, in ring.

OMAHA FALL SALE

Registered Milking Shorthorns

OMAHA, NEBR.
FRIDAY, OCT. 29th

In the pavilion of the Omaha Pure Bred Sales Co., 30th and L Street

75 Head. 55 females. 20 bulls. Featuring the closing out of the C. E. Morris herd, Union, Nebr. A strictly top consignment including the great 4 year old herd bull Bonnie Prince; six top females of producing ages; one bred heifer; a hard-to-beat February heifer calf; a 12 months old bull calf out of Mr. Morris' top producing cow and two young bull calves. First cost on three of these females was $500.00 each and they are that kind. Other consignors: Sam Bengston, Essex, Iowa, a top young bull calf and a heifer; Wilson Wilhelm, Elliott; Ralph Nichols & Sons, Atlantic; A. C. Lee, Decorah, Iowa; Max Kimmerling, Beatrice, Nebr.; A. C. Wiese, Manson, Iowa; Albert Moser, St. Edwards, Nebr.; Castor Bros., LaPorte City, Iowa; E. L. Hoyt, Corning, Iowa; Chris Thompson, Jr., Audubon, Iowa; Geo. Julius, Dunbar, Nebr., and other well established herds. A red Nov. bull calf bred by Gibson & Son, Ontario, Canada, that is a real herd bull prospect. This offering has good production backing and are the true beef and milk type. **T.B.** and **Bang's** tested. Write for free catalog today to

H. C. McKelvie, Sale Mgr.
30th & L Street, Omaha 7, Nebraska

Registered Holstein Consignment Sale

MANKATO, MINNESOTA
WED., OCT. 20th, 11:00 A. M.
CHOICE — 70 HEAD — CHOICE

Bred and open heifers, springing cows, and a few top bulls. Ask now for **FREE** catalog. Please mention this publication.

SOUTH CENTRAL MINNESOTA HOLSTEIN BREEDERS ASS'N.
BOX 148, MANKATO, MINNESOTA

FRANTZ BROS. SALE

HAMPSHIRES

Grand Junction, Ia., October 11

(Night Sale)

40 BOARS — 40 GILTS

We are going to sell the sensational offering of the year in this sale. We are selling 40 boars that we question if a better lot of boars will be seen in any one sale and also 20 gilts that are equally good. These are sired by **NEW IDEA, SPECIAL PAL, BLUNDER TYPE** and **EGYPTIAN MODEL.** Also pigs by the $3,000 **FAULTLESS HARMONY.** This is an offering that we feel proud of. We are selling boars in this sale that will make great herd boars for the boys and gilts that will add to the reputation of their herds. Write for our catalog at once and please mention Wallaces' Farmer and Iowa Homestead. Address

FRANTZ BROS., GRAND JUNCTION, IOWA

G. H. Shaw, Auctioneer M. T. White, Fieldman

QUALITY

SPOTTED POLANDS

(at the Auction Sales Pavilion)

Algona, Iowa

WEDNESDAY, OCTOBER 20th

Night Sale, 7:30 P. M.

35 CHOICE BOARS 25 OUTSTANDING GILTS

This will be one of the top offerings to sell this season. They are sired by **BROAD BACK, SUNSET,** and one litter by **WHIRLWIND.** The entire offering is well grown, weighing from 300 to 400 lbs. on sale day. They are the easy feeding kind with thickness, good spring of rib, and very heavy hams. Good sound feet and legs thru-out with clean heads and nice ears. Farmers will like the offering. Plan to attend as they sell at your price. Please mention this paper when writing for **FREE** catalog.

WALTER M. WELLHOEFFER **STRATFORD, WISCONSIN**

MAURICE BONEY, Fieldman

LEADING SPOTTED POLANDS

Selling at farm 1½ miles east and ¼ south of

LUVERNE, IOWA

SATURDAY NIGHT, OCT. 23

40 EXTRA THICK BOARS

This is considered by many to be one of the top offerings that will sell this fall. They are mostly sired by **INDICATOR,** the $800 boar that everyone likes. See this offering and we will prove to you sale night that he is one of the best sires of the breed. We'll also sell outstanding boars by WONDER BOY. We have selected this offering from over 150 spring pigs. This will be our first boar sale so take advantage of the bargains because they are good. Plan now to attend. Please mention this paper when writing for **FREE** catalog. Address

E. C. MARTY & SONS, LUVERNE, IOWA

Send bids to Maurice Boney, Fieldman, in our care

FRITZ DUROC BOAR & GILT SALE

Sale at farm 4 miles northwest

GRAND JUNCTION, IA., OCT. 8th

Starting at 1:00 P. M.

25 BOARS — 20 GILTS

For our first sale we invite our Farmer-Breeder friends to come. The 45 head selling are the very tops of our spring crop and are well-grown and of the highest quality. At the recent 1948 Clay County Fair, Spencer, Iowa, we showed 4 spring boars which placed **4th** and **5th** in a strong class of Junior boars and **5th** and **7th** in Senior boars—a very good class. Only our best sell, boars that will make herd sires and gilts suitable for foundation purpose. Will make some wonderful gilts for the bred gilt sales this coming season or for raising Top **Market litters.** They are very uniform, sound, excellent color and bred to produce best results for the buyers. **COME!** Be with us sale day. Ask now for **FREE** catalog. Please mention this publication. Address

CHARLES FRITZ & SON, GRAND JUNCTION, IOWA

Auctioneer H. J. McMurray

FAIRVIEW

STOCK FARM

Sale at farm

AMES, IOWA, OCTOBER 11th

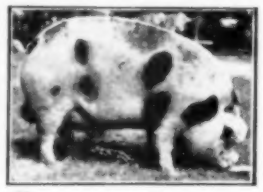
50 TOP DUROCS — 20 BOARS — 30 GILTS

A grand offering from one of the finest herds of the breed. We are featuring the progeny of the famous **FAIRVIEW SENSATION.** Because we are not making a winter sale, we are selling our very best gilts and a great lot of boars. They are well grown, displaying unusual type and quality. Plan to attend. Ask for **FREE** catalog. Kindly mention this publication.

FAIRVIEW STOCK FARM, AMES, IOWA

Frank and Ben Baldus, Mgrs.

Better Spotted Polands



Flashy Lad, the 1st fall boar and Junior Champion at 1948 Iowa State Fair.

Sale at farm north of

Kellogg, Iowa

OCTOBER 13th

40 BEST SPRING BOARS

This is one of the finest herds of Spotted Poland Chinas of the breed. A farm where top quality and Prize-winners have been produced for years. This is our best offering. We offer **FLASHY LAD,** (Illustrated above) the 1948 Iowa Junior Champion . . . one of the best ever sold. Also our **First** prize **Junior** pig, admired by many. The offering is sired by **GLORY'S EQUAL** and **HONOR BOUND,** breeding and quality unsurpassed. If you want a top quality boar to improve your herd . . . you can not afford to miss this forthcoming sale. Plan now. Be sure to ask for the **FREE** catalog, well illustrated. Kindly mention this publication.

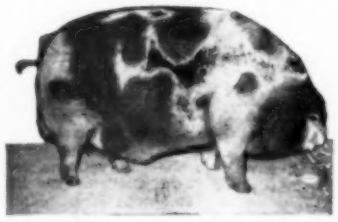
A. J. ANDERSON & SON, KELLOGG, IOWA

+ Quality Spotted Polands +

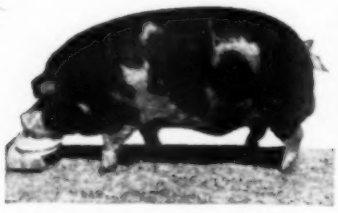
Night Sale at Fair grounds

Starting at 7:30 P. M.

INDIANOLA, IOWA, OCTOBER 13th



Bold Venture, a 3rd prize winner at 1947 Iowa State Fair. A full Brother to Gates Low Down. A wonderful Sire.



Crusader, a boar of modern type, with style and quality. You will like his progeny in the sale.

65 Head — 40 Boars — 25 Gilts

An excellent offering selected with care from a large herd where top quality and rich breeding can be found. They are uniformly good, beautifully grown, properly fed, and ideal to make money for the new buyers. They are sired by **CRUSADER** and **BOLD VENTURE,** both (Illustrated above) which indicates the excellent sires used in this herd. Those looking for a herd sire can find them here or gilts suitable for foundation purpose. Plan now to come. Ask for **FREE illustrated catalog.**

WALTER WOODYARD & SON, INDIANOLA, IOWA

VOGE'S SENSATIONAL OFFERING

SPOTTED POLAND CHINAS

HARLAN, IOWA

FRIDAY, OCTOBER 22nd

40 BOARS 25 CHOICE GILTS

We are holding our sale at Harlan, Iowa, in the afternoon, so because of better sale conditions. Our offerings are largely sired by **Pathmaster,** one of the top boars that was sold last year, and he has sired us a splendid lot of boars and sows for this sale. Then we are selling some very excellent boars and gilts by **Goldite,** the boar that sired the two sensational boars in the Jackson herd, also one herd boar in another herd. Then we have a good litter by **Memory,** another good litter by **Carlson,** another by **Indicator** and one by **Grandmaster.** Take it from us we are selling one of the choicest offerings that will sell this fall. Write for our **free** catalog at once and please mention this publication. Address

NORRIS VOGE **NEOLA, IOWA**

Taylor & Martin, Auctioneers M. T. White, Fieldman

(We are selling at Harlan.)

SPOTTED POLAND SALE

(at sale pavilion)

Sac City, Iowa

Friday, October 22

Night Sale

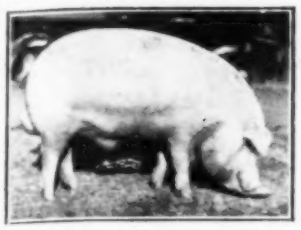
50 THICK BOARS

This will be one of the thickest lowest offerings that will be sold this fall. They are the easy feeding fast gaining kind. They are sired by **BROAD BOY** by **Broadway, PROUD ADVANCER,** and **BIG MOGUL,** the highest selling boar of the breed last year. Farmers looking for boars that will sire fast gaining pigs should see this group before buying. Plan now to attend. Please mention this publication when writing for the **FREE** catalog.

CLIFFORD PITSTICK **JOLLEY, IOWA**

HIGH QUALITY

CHESTER WHITES



IOWA CHIEF, 1st Senior Yearling and Reserve Grand Champion at 1948 Iowa State Fair. A great sire. You will like his progeny.

Sale at farm, located east of Marshalltown on Highways No. 64 and No. 30, just west of

LeGrand, Iowa

WEDNESDAY, OCTOBER 6

50 Tops Selected From a Truly Great Herd

A herd where top quality **CHESTER WHITES** have been produced for many, many years and this is one of the finest offerings we have ever presented. They are tops from a large number of spring pigs . . . only the best are cataloged. They are sired by **IOWA CHIEF**, 1st senior yearling and reserve grand champion at 1948 Iowa State Fair (illustrated here), **SPOT LIGHT** 564969, the sire of 1st prize **Produce of Dam**, Futurity litter and reserve Junior champion sow at 1948 Iowa State Fair, and **FASHION'S MODEL** 549285. Three litter mate boars and five litter mate gilts to the 1948 Iowa State Fair, grand champion Chester White barrow and Reserve Grand Champion barrow over **ALL BREEDS**. Also 5 excellent boars out of the 1948 Nebraska Grand Champion Sow sell. The sort you will like. The **MONEY-MAKING** kind. Plan now to attend. Ask for **FREE**, beautiful illustrated catalog. Kindly mention this publication.

C. T. KEEN & SONS, LE GRAND, IOWA

Auctioneer, Clair G. Mason — Send bids to Maurice W. Boney, Fieldman, in our care

Quality Chester Whites

Central Iowa Fair grounds

Marshalltown, Iowa

Night Sale 7:30 P. M.

FRIDAY, OCTOBER 8

BROADWAY. First Junior yearling and Grand Champion. Many by him sell.

50 HEAD — 30 BOARS — 20 GILTS

An excellent offering drawn from a herd where top quality and rich breeding can be found. They are all well grown, properly fed, display type and real merit and quality. They are sired by **BROADWAY**, (Illustrated here) 1947 Iowa Grand Champion, **THE PRODUCER** . . . a litter mate to **BROADWAY** and **LUCKY**, a proven sire of Better Quality Chester Whites. You will find them thick, with easy-feeding ability and will please the best hog producers. Get a real boar or some fine gilts. **COME.** Ask now for **FREE** catalog. Kindly mention this publication.

TED TOWBRIDGE, (R. F. D.) MARSHALLTOWN, IOWA

Auctioneer Clai G. Mason — J. E. Halsey, Fieldman

1st prize F.F.A. boar at 1948 State Fair. A son of Model Chieftain.

QUALITY

Chester Whites

Comfortable sale pavilion

Eldora, Ia., Oct. 14th

Night sale starts at 7:30 P. M.

45 HEAD — 35 BOARS — 10 GILTS

An excellent offering . . . the best we have ever produced. Selected with care from a large number, all well-grown, properly fed and display type and quality. Many sired by **MODEL CHIEFTAIN**, the sire of 1st prize boar (Illustrated here) a fair sample of the offering. Others by **MASTERPIECE**, one of the best bodied boars of the breed; **IOWA CHIEF** by Big Chief and **NEW ADVANCE**, a son of The Producer. Breeding unrivalled. Type and quality that will please. Plan to attend. Ask for **FREE** catalog. Please mention this publication.

CARL STEINFELDT & SON, ELDORA, IOWA

CHESTER WHITES

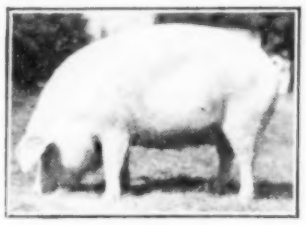
at the sales pavilion

WAVERLY, IOWA

TUES., OCTOBER 19th

SALE AT NIGHT

40 Boars — 10 Gilts



A carefully selected offering of the type and kind that the farmers and breeders like. They are well grown with plenty of bone and lots of substance and balance. Selling in this good offering will be the 3rd prize spring boar of the recent State Fair. He being by a top son of the 1947 Grand Champion Broadway. Most of the offering is sired by **PRODUCER'S SENSATION**, the great $650 boar purchased at the Trowbridge sale last fall. Also selling will be the 6th prize spring boar at State Fair (55 boars in the class) sired by Producer's Sensation. Make plans now to see this good offering. Please mention this paper when writing for **FREE** catalog.

A. H. PETERSEN, DENVER, IOWA

—START SAVING NOW THE EASY U. S. SECURITY BOND WAY—

Nebraska's Greatest

DUROC SALE!

30 HEAD BOARS—20 GILTS

From the well known herds of J. S. Golder, Oakland, Nebraska and Gilbert Langemeier, Hooper, Nebraska. Sale held at

Fremont, Neb., October 15th

NIGHT SALE

Both of these breeders showed at the Nebraska state fair and Mr. Golder won senior champion on aged boar and 2d prize on aged sow. Mr. Langemeier also was a prominent winner at the same fair and these two breeders had some of the very best Duroc Jerseys that was shown at this state fair. They are listing several of their winning boars and gilts in this sale, and take it from us they have some of the best that will be sold in any western sale this fall. For catalog write

J. S. GOLDER, OAKLAND, NEB.

OR

GILBERT LANGEMEIER, HOOPER NEB.

H. J. McMurray, Auctioneer — M. T. White, Fieldman

F. L. JACKSON & SON'S SENSATIONAL SALE

Spotted Poland Chinas

The Tops from 200 Head

TUESDAY, OCTOBER 19th

(NIGHT SALE)

Sac City, Iowa

We have been in the Spotted Poland China business for a long time, but never before have we offered such a high class lot of boars and sows as we are selling in this sale. These are sired by our new boar **MASTER WAY**, that we think and every other one thinks is the most sensational boar of the year. We will have a lot of strictly high class boars by him in this sale, as well as others by Dreamboat, a boar that has been siring a lot of high class herd boars, also some by Moonbeam and Solution. We will sell 70 or 80 boars and sows in this sale, and these are the pick of over 200 head on our farms. We want to see you at our night sale where we think you will see one of the greatest offerings that will sell this fall. Write for our catalog at once and please mention Wallaces' Farmer and Iowa Homestead. Address

F. J. JACKSON & SONS, LYTTON, IOWA

Col. Charley Taylor, Auctioneer — M. T. White, Fieldman

Comprest—Harold W. Miller, Janesville, Iowa

"BRED TO PLEASE"

Chester Whites

AT DAIRY CATTLE CONGRESS PAVILION

WATERLOO, IOWA

NIGHT, OCTOBER 16

40 BOARS—25 GILTS

Large well grown boars and gilts that will please farmers and breeders alike. We have followed a strict feeding and sanitation program which insures profitable returns for the buyers. Most of the offering is sired by **COMPREST** by The Clipper. We also have some outstanding boars by **GOLD MEDMAL** by Watemaster. The fourth prize 4-H boar in the large show at the state fair sells! Other winners in the open class show sell. Plan now to attend. Please mention this paper when writing for FREE catalog.

HAROLD W. MILLER — JANESVILLE, IOWA

CHESTER WHITE SALE

at farm 5 miles west, 4 ½ north of

BRITT, IOWA

OCTOBER 22—1:00 P. M.

25 Boars — 20 Gilts

We have selected only the tops of our 1948 crop. They are well grown and weigh up to 300 lbs. by sale day. They are sired by THE DAZZLER, the $500 top boar in the 1946 Robert Lautzenhiser sale. He is a son of The Champ, the 1945 Indiana Grand Champion. Some sired by PREVUE, a good son of Portage Emblem. The offering is smooth, heavy boned and in the pink of condition. They are the best we ever produced in 25 years. If you are looking for the best don't miss this sale. Please mention this paper when writing for FREE catalog.

GLEN L. RINEHART — BRITT, IOWA

Col. Joe Reisch, Auctioneer

Advertisement

From where I sit ... *by* Joe Marsh

Who is this Man?

Now and then, in the pages of the *Clarion*, I run a biographical quiz, under the heading of "Who Is This Man?" For instance . . .

"He was one of the earliest lovers in American history . . .

"And yet he was too shy to court a woman outright . . .

"He came to the New World on the Mayflower . . .

"A cooper to repair the beer barrels accompanying the Pilgrims . . .

"Who is this man?"

I thought that everybody was stumped. But not Ma Hopkins, who returned the clipping to me with "John Alden" on it. She recognized all the clues—including that reference to "beer" and "cooper."

For Ma—who's read her history, knows that beer as the beverage of moderation, is as old in this land of ours as the never-ending American search for tolerance which brought the Pilgrims over to this country in the first place.

Joe Marsh

Copyright, 1948, United States Brewers Foundation

W. W. HODGEN'S

Hereford Dispersion Sale

37 HEAD

6 Bulls — 31 Cows and Heifers

MONDAY, OCTOBER 18th

Sioux City, Iowa

I am selling 14 cows, good droop horned, well bred cows, and the most of these will have calves at foot. These cows have been selected from the best herds in Iowa and Nebraska. Included are a nice lot of calves, among which are some nice bull calves. Many of the cows are rebred. Then there are 5 nice yearling heifers, selling and my splendid bull **DON G. BLANCHARD 49th**, a 4-year old bull bred by the Gallagher Bros. This is a splendid breeding bull, and the calves are all sired by him. Also 5 nice yearling bulls in sale.

30 HEAD HAMPSHIRE BOARS AND GILTS

I am selling these boars and gilts in this sale. I have had one of the best herds in northwest Iowa, and one of the best bred herds in the state. Write for my catalog at once and please mention Wallaces' Farmer and Iowa Homestead. Address

WILBUR HODGEN, KINGSLEY, IOWA

Col. Fred Chandler, Auctioneer M. T. White, Fieldman

Registered Herefords

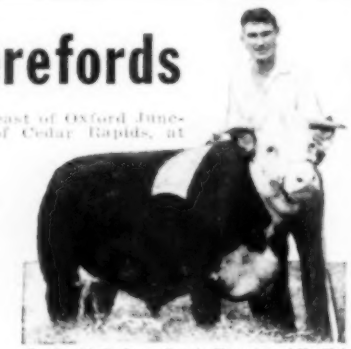
Sale at farm, located 2½ miles northeast of Oxford Junction, and only 50 miles northeast of Cedar Rapids, at

Oxford Junction, Iowa

OCTOBER 16th

40 HEAD

30 CALVES — 10 COWS



T. G. 1947 Iowa Grand Champion 4-H Club steer—bred on our farm.

1947-1948 SHOW RECORD

1947—5 first prizes, 3 Champions, 1 Reserve Champion. 6 calves shown. "T. G." was Grand Champion at Des Moines and "POT" 1st prize at Des Moines—were among the 6 shown. 1948 record yet incomplete, but at least 8 calves won Blue ribbons. 2 Champions, 2 Reserve Champions. "TEDDY" Reserve Champion at Des Moines was from this group and sold in our 1947 calf sale.

This is the best group of calves we have raised to date, including a full sister to the steer "T.G." 1947 Iowa Grand Champion. Many show and breeding prospects and great 4-H Calves. Cows a useful lot, mostly daughters of **MASTER AXTEL** and **BEAU CAVALIER.** We believe this sale can truly be called a sale of the **"Blood of Champions."** Calves sired by **MISCHIEF STANWAY 245th, WHR COMPACT SETH** and **SETH ELATION.** Plan now to attend. Pedigrees furnished. Ask for **FREE** catalog. Kindly mention this publication. Address

T. G. MURRAY, OXFORD, JUNCTION

HILANE FARM

HOLSTEIN DISPERSAL

(Sale at farm in tent, located 8 miles west of West Des Moines on Highway No. 90 and ½ mile north.)

DES MOINES, IOWA

TUESDAY, OCTOBER 19TH

Lunch at farm. Sale starts early.

50 REGISTERED HOLSTEINS

Twenty cows and heifers with **D.H.I.A.** and **H.I.R** Records from 350 to 600 lbs. fat. Three with lifetime records over 2,200 lbs. Six over 500 lbs., 10 over 400 lbs., many 2- and 3-year-old heifers. Five 2-year-olds bred for fall and winter. 10 outstanding open yearlings, including heifers shown at State Fair and District shows. 10 baby calves and 5 service age bulls.

We **FEATURE** 5 daughters and 20 granddaughters of **WAUPON HOMESTEAD REX.** Silver Medal, proven sire with 103 lb. increase on 15. All developed in this herd. 15 daughters of **DUNLOGGIN X OLIVER,** whose 3 nearest dams average 881 lbs. fat. 2 daughters of **SIR BESS TIDY,** (excellent) he by **S.B.O.F. 73rd** and from a 920 lb. fat dam. One of these daughters has a lifetime average of over 4%. She is bred to **PABST ROAMER.** Two others bred to **PABST ROAMER,** due in 3 to 4 months. One 9-month-old son of **PABST ROAMER** from a **Clyde Hill** granddaughter of **Rock.** She has over 400 lbs. fat in 8 months and will finish over 500 lbs. as a 3-year-old and is selling. The calves selling are by **CLYDE HILL,** son of the famous **Rock.** Most of the yearlings shown this year are by **PERFECTION TRITOMA TRANSMITTER** . . . from a high record daughter of **Transmitter** and from the **LILLY** bull, 1947 Iowa Grand Champion, who is from the 1,047 lbs. fat daughter of Transmitter. A top Holstein herd dispersed in Iowa past **10** years . . . the **FIRST** to Classify . . . a Progressive Breeder Herd in the Middle West . . . one of the first to develop a **Silver Medal** sire. Has been developed on a practical producing basis, all the great records here were on **2-X,** normal Farm and Dairy conditions. Foundation blood lines were the best available in America. All animals shown this year sell. Entire herd calf-hood vaccinated, officially in recent years. Will be **T.B.** and **BANGS** tested within 30 days of sale. Ask now for **FREE** catalog. Please mention this publication. Address

CLAUDE E. WYLAM, Sale Mgr. WAVERLY, IOWA

W. F. POORMAN, Owner 5812 Woodland Road DES MOINES, IOWA

Complete Dispersion

of the Fred Blotz' Herd of Richly Bred

SCOTCH SHORTHORN CATTLE

Auction Sale to be held at the Farm

DODGEVILLE, WISCONSIN

Tuesday, October 12, 1948

STARTING AT 12:30 P. M.

Buy where many famous herds have secured their foundation animals. Buy where good Shorthorns have been bred for 65 years. The owner is retiring from the farm. All of the members of one of the breed's top herds will sell in this dispersion.

65 Lots — 12 Good Bulls — 15 Cows with calves and many more to calve soon.

Auctioneers—J. E. Halsey and Jack Vesserman. Write for the catalog. Please address all catalog requests to

HAL LONGLEY, Sale Mgr., 16 So. Locust St., AURORA, ILLINOIS

Southwest Wisconsin

Angus Breeders Sale

Lancaster, Wisconsin, Thursday October 7th

Sale on the fair grounds

74 Lots — 14 Bulls — 60 Females

Consigned by 14 of the leading breeders from this state. The bulls include herd bull prospects and a number of good bulls ready for heavy service.

In the females there are a number of cows with calves, some rebred, cows well along in calf, bred heifers and extra choice open heifers. This offering of Angus cattle offers you the opportunity to buy cattle that improve your herds. They come from popular families and are sired by bulls that represent some of our most popular bloodlines.

THE CONSIGNORS ARE:	Bulls	Females		Bulls	Females
Harold Austin, Lancaster	1	9	Linden Pickel, Plattville	1	10
C. E. Blackbourne & Sons, Cassville	2	8	University of Wisconsin, Madison	1	1
Lloyd Blackbourne, Cassville	1	2	May Brothers, Mineral Point	0	2
Phil Hauk & Son, Cassville	3	1	E. M. Gant, Mineral Point	0	3
Hauk Brothers, Cassville	0	2	Rose Stock Farm, Dodgeville	1	8
Roy Weaver, Shullsburg	1	2	Stuart Barlass & Sons, Janesville	0	2
O. H. & C. J. Kettler, Plattville	1	8	Earl Gelbach, Lancaster	2	2

The offering is sired by and bred to these bulls: Jurora 14th of Page—Emperor of Grant River—Premier 25th of Angus Dell—Progressor of Bordulac—Pat Burgess 3d—Eileenmere 1018—Bar Revodent 2d—Blackcap's Revolution P. 2d—Ebony Lad of Grant River—Queenmere Candidate—Barbara's Eventuation A.—Curtiss' Candy C. Mansom—Eston of Grant River.

The families are: McHenry Blackcap, McHenry Barbara, Queen Mother, Miss Burgess, Hartley Edella, Erica, Blackcap, Pride of Aberdeen and others.

If you want to buy cattle that will make money make your plans now to attend this sale and buy. Write for the FREE catalog to

J. C. PERRIN, Sec'y, BLOOMINGTON, WISCONSIN

Auctioneer, Hamilton James J. E. Halsey, Fieldman

5th Annual Iowa Sale

AYRSHIRE BREEDERS SALE

at Dairy Cattle Congress Pavilion

WATERLOO, IOWA, THURSDAY OCT. 14th

50 FEMALES — 6 BULLS

This year's selection of bulls are from the better herds in the state and their dams have records as high as 500 lbs. fat and with lots of Approved breeding. The females are a select group with many of them from outstanding producers. Bred heifers out of dams with records as high as 14,814 lbs. of 4.2% milk, 622 lbs. fat in 305 days. Plan to attend and for a catalog write

RICHARD M. SEARS, Sale Mgr., GRINNELL, IOWA

Helfred Bapton Major 29th, a full brother to Helfred Air Control, Reserve Champion at 1945 Congress, selling for $2,200.00. Also 1st prize heifer at 1946 Congress.

Corrimony Emperor (Imp.). Our new herd sire. A bull with a great head, deep body, even-fleshed and the type for a wonderful sire. Many good females mated to him.

ANNUAL PRODUCTION SALE

HELFRED FARMS

In comfortable sale pavilion at Iowa State Fair grounds

DES MOINES, IOWA, SATURDAY, OCTOBER 30th

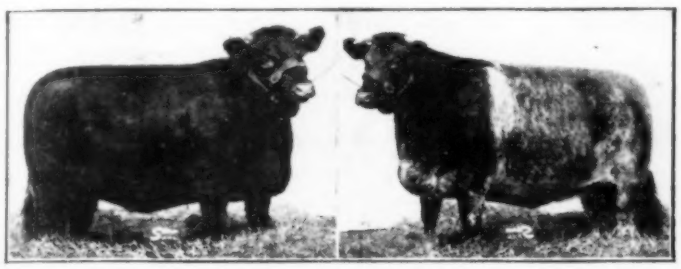
10 Top Young Bulls — 35 Grand Females

28 Bred Heifers — 4 Open Heifers — 3 Cows with Calves

A select draft from one of the finest Shorthorn herds of the breed. The offering includes 7 bulls and 20 females by **BAPTON MAJOR**, (Imp.), one of the thickest-fleshed bulls ever used in this country. 6 females and 3 bulls by **EDELLYN ROYAL LEADER 41st**, a son of Edellyn Royal Leader and 3 daughters of **HELFRED PRENTICE**, the great breeding son of **SUNRAY**, the International Grand Champion. 4 of the bulls are strong yearlings, the others are senior calves, the type for herdheaders. Females of breeding age will be mated to the new herd sire **CORRIMONY EMPEROR** (Imp.) winner at 1948 Iowa State Fair and **EDELLYN ROYAL LEADER 41st.** Many of the 1948 Show herd will sell. Quality breeding cattle that will please. The blood lines will assure their future usefulness. Herd fully accredited for **T.B.** and **Bang's.** All heifers are calfhood vaccinated for **Bang's.** Plan to attend. Ask for **FREE** illustrated catalog. Please mention this publication.

HELFRED FARMS, Route 6, DES MOINES, IOWA

F. W. Hubbell, Owner Auctioneer, J. E. Halsey Charles Garden, Manager



Helfred Marigold 2d, out of same dam as Helfred Golden Fame, the Bellows herd sire. A beautiful heifer, selling with a breeding privilege.

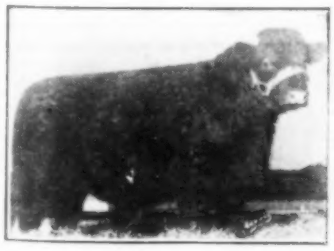
Helfred Mayflower by Bapton Major, a 4th prize winner at 1948 Iowa State Fair. Well forward in calf to Helfred Bapton Major 10th, reserve Champion in Iowa 1947.

SHORTHORN SALE

(At Whitford Farm, located 25 miles northeast of Oelwein and 25 miles north of Manchester on Highway No. 13, and west on No. 112, just 5 miles)

VOLGA, IOWA

WEDNESDAY, OCTOBER 13th



Helfred Headlight by the grand champion Braelour Headlight. Dam by Proud Archer. A good sire.

Prince William 6th, grand champion bull at Iowa State sale and top selling bull. A son of Imp. Prince William.

54 Head — **10 GOOD BULLS—44 WELL-BRED FEMALES**
20 COWS WITH BIG CALVES AT SIDE
10 CHOICE 4-H CALVES SELL BEFORE OTHER SALE

H. E. WHITFORD & SON, 24 head, 2 bulls by **REGAL GLOSTER**, a son of Regal Clipper. The 22 females include 9 desirable cows with calves at side by **HELFRED HEADLIGHT**, a son of Braelour Headlight out of a Proud Archer dam. A number of attractive open heifers. Fifteen daughters of **REGAL GLOSTER** sell. Others by **NAKOMIS TORCHSTONE** by Imp. CRUGGLETON NAKOMIS. The families are AUGUSTA, CLARA, LAVENDER and DUCHESS OF GLOSTER. Selling fine.

S. S. DAVIS & SON, 20 lots, 3 bulls including the herd bull, **MASTER MADE**, the great 5 year old son of Masterpiece by Supreme Goldfinder. Dam Susan 324. A real tried and proven sire for someone. Two choice bulls ready for service by **MASTER MADE**. The 17 females include 10 good cows with big lusty calves at foot. Four are by **MASTER MADE**, 6 by **BONNY DALE COUNT 4th** by a son of Bugler's Champion, 7 daughters of **MASTER MADE** sell bred to **BONNY DALE COUNT 4th.** The families are **VICTORIA, ACANTHUS, ROSEMARY, ROSEBUD** and others. Good dependable families.

F. ROTHLISBERGER & SON, 10 head, 5 bulls ready for service, 3 sons of **PRINCE WILLIAM 6th**, the Iowa champion, and 2 by **GOLDEN VICTOR** by Supreme Goldfinder, the full brother to Goldfinder Champion. The 5 females are by same sire. 4 are open and 1 bred to **PRINCE WILLIAM 6th.** Families are BESSIE, CLARA and DEVERGOIL. Excellent tribes. Remember the 10 Good 4-H Club Calves. Plan now to attend. Ask for **FREE** catalog. Please mention this publication. Address either

H. E. WHITFORD & SON
Volga, Iowa

S. S. DAVIS & SON
Wadena, Iowa

F. ROTHLISBERGER & SON
Elgin, Iowa

Auctioneer, J. E. Halsey

40th SALE — CENTRAL ILLINOIS

ANGUS BREEDERS ASSN. INC.

Midway between Bloomington and Peoria, Illinois, on U. S. Highway No. 150, in our own comfortable pavilion. Busses pass the pavilion from both directions before and after sale.

Congerville, Illinois

Saturday, Oct. 16th

Starting promptly at 12:00 Noon

"MORE OF THE BETTER KIND"

BEST AVAILABLE IN CENTRAL ILLINOIS

212 HEAD
12 Excellent Bulls, 50 Breeding Females
50 Registered 1948 Angus Heifer calves
100 Pure-Bred 1948 Angus Steer calves

The oldest Association in Illinois which represents progressive cattlemen of Central Illinois where top **ANGUS** cattle have been produced for more than **60** years. More than **120** herds to draw from. A grand offering . . . the **50** females, a few cows with big lusty calves, by great sires and rebred, excellent cows and heifers mated to top quality herd sires and attractive open heifers. The 12 bulls are ready for service and will please those looking for a herd sire. Approved breeding combined with individuality. All are **HOME-GROWN** cattle, consigned by our members . . . not speculative cattle. The sort that have been profitable on their farms . . . hence will be **MONEY-MAKERS** for the buyers.

50 REGISTERED 1948 ANGUS HEIFER CALVES

Sell immediately following the breeding cattle. Show and foundation material to improve good herds. Ideal for **4-H** and **F.F.A.** Club members.

100 PURE-BRED 1948 ANGUS STEER CALVES

They will be sold about **7:00 P. M.** after the other cattle. You can find calves of show-yard caliber . . . an unusual event for the **Club** members or anyone desiring top quality calves. **COME!** Sale will be concluded early. Ask for **FREE** illustrated catalog, sent only on request. A post card will do. Kindly mention this publication. Address

SIMON E. LANTZ, Secy, CONGERVILLE, ILLINOIS

CENTRAL ILLINOIS ANGUS BREDERS ASSN.

Auctioneers, Ham James, J. E Halsey and Jake Zobrist

WE REPEAT

The "SALE OF SATISFIED BUYERS"
Is Your BEST OPPORTUNITY to Buy

"Cattle Correct for Your Needs at—

—Prices Correct for Your Purse"

COME TO

Abingdon, Illinois, Friday, October 22

Select From

90 MONEY MAKING SHORTHORNS

35 Impressive Herd Bulls — 55 Choice Females

Consigned by 30 Good Breeders From Four States

Over $600,000 in Shorthorns have been sold in these auctions, a record made possible only by the class of cattle offered, year after year. Get your bull in this sale or select some profit-making females.

Don't let distance stop you. Abingdon is convenient to reach. It is only 12 miles south of Galesburg, Ill., which is on the main line of the C.B.&Q. and Santa Fe. Excellent hotel accommodations. At each of the last three sales single buyers from over 500 miles have purchased five or more head. Facilities for shipping cattle by rail or truck direct from Abingdon are excellent.
Plan to Attend . . . Write Today for the FREE Catalog. Please mention this Publication.

HAL LONGLEY, Sale Mgr., 16 So. Locust, AURORA, ILLINOIS

Auctioneer, J. E. Halsey

Buy a Bond to Help Your Country
and to Help Yourself in Later Years

CARL HEBNER'S SALE

DUROC JERSEY BOARS and SOWS

50 HEAD

30 BOARS — 20 GILTS

NIGHT SALE, 7:30 P. M.

JEFFERSON, IOWA, OCTOBER 18th

This will be a night sale and will be held in town. Most of this offering will be sired by Comasters Model, he by the great Master Pattern, top boar in 1947. Take it from me that you are going to see some of the greatest boar pigs (real herd headers), in my sale that will be sold this fall. Write for my *Catalog* at once and please mention Wallaces' Farmer and Iowa Homestead. Address

CARL HEBNER, JEFFERSON, IOWA

CECIL WILSON'S

SPOTTED POLAND —SALE—

LENOX, IOWA, OCTOBER 24th

This is the sale that I have long ordered, and I know that I have never before had such an offering as I am selling in this sale. I am selling 25 boars and 25 sows in this sale the like of which has never before been sold in any one sale. These are sired by Grandview Victory, the greatest herd boar we have ever owned. One outstanding litter by Grandview Victory out of a daughter of Gold Bond, probably the grandest litter he has ever raised. A line bred Gold Bond litter. Four boars by Grandview Spotted Advance, the $30,000 boar. Three March 20 boars by Victory and out of Violet, the dam of New Design, the Jim Nelson boar. Write for my catalog at once as they will be scarce, and please mention Wallaces' Farmer and Iowa Homestead. Address

Cecil Wilson, Lenox, Iowa

Taylor, Martin and Luke Gaul, Auctioneers

B. F. ANDERSON & SONS SALE

PRIZE WINNING

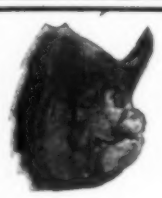
POLAND CHINAS

MANNING, IOWA, OCTOBER 14th

We are holding this sale at our celebrated "LONGBRANCH FARM," 6 miles south and two miles west of town, and 5 miles east and two miles north of Irwin, Iowa, graveled and blacktop road, from Irwin, Iowa. We will sell 40 boars in this sale, including all of our prize winners at the Iowa and the Nebraska state fairs this fall. Among these is our 2d prize junior yearling boar at Iowa this fall and he is regarded as being one of the outstanding boars of the fall season. He belonged to the second top litter in 1947. Sire by Onward, he by The Goal, winner at Iowa. Two outstanding boar pigs in our reserve junior champion litter at Iowa state fair by Combination. Dam Royal Sire, by reserve senior champion at Iowa state fair. Two top boars by Combination, dam Lady Bond, our grand champion sow at Nebraska. One top litter of seven boars by Combination and out of Miss Royal Defence, winner at both Iowa and Nebraska state fairs. We think, and the breeders all tell us that this is the greatest offering of boars that we have ever sold from our herd. By all means make it a point to attend our sale. Write for catalog at once and please mention Wallaces' Farmer and Iowa Homestead. Address

B. F. Anderson & Sons, Manning, Iowa

Col. H. S. Duncan, Auctioneer M. T. White, Fieldman



BERKSHIRE HOG SALE

(At farm south of town)

MT. VERNON, IOWA, OCTOBER 6th

50 Head — 25 Top Boars and 25 Choice Gilts

A grand offering which include 2 fall boars, one by **MIAMI CRUSADER**, 1947 Wisconsin Grand Champion, one by **RAIDER PRINCE 14th** . . . a half brother to 1947 Ohio Grand Champion. The others are spring boars and gilts, mostly by **RAIDER PRINCE 300th**, the 1st prize boar at 1947 Iowa State Fair . . . the greatest sire Milo Wolrab ever owned. A few are by **TYPESETTER**. Boars of herd-heading ability. Gilts for foundation purpose. Milo Wolrab bred **4 STATE FAIR CHAMPIONS**, in 2 years . . . a record without a parallel. Plan to come. Ask for **FREE** catalog. Please mention this publication.

In the September 18th Issue, the sale date was incorrectly listed as October 16th.

MILO WOLRAB, MT. VERNON, IOWA

SPOTTED POLAND BOAR & GILT SALE

(At Oelwein Livestock Exchange)

OELWEIN, IA., SATURDAY, OCT 9th

30 BIG RUGGED BOARS — 25 EXCELLENT GILTS

All well-grown, with type and quality. Some are sired by **THE SKIPPER**, a son of the 1948 Iowa Grand Champion **SKIPPY**; others by **SHAMROCK'S BOMBER** . . . from a qualified Registry of Merit litter . . . a direct descendant of the Murphy, Spaulding Bros., and Berkshire boar, **LIBERATOR** . . . the "**IT**" boar of the breed. Excellent purebred spring boars and gilts, with plenty of length, smooth, good color and in fine breeding condition. Plan to attend. Ask now for **FREE** catalog. Please mention this publication.

RAY HAYNES, OELWEIN, IOWA

BREEDERS SALE

HIGH CLASS DUROC JERSEYS

30 BOARS — 20 CHOICE GILTS

LAKE CITY, IOWA, OCTOBER 19th

From the Herds of John Thompson, Lake City, Iowa, and T. E. Smith, Paton, Iowa

This sale will be held at the home of John Thompson, a couple miles west of Lake City, Iowa, on the Highway, and will be made up of the tops of these two herds. They are selling 30 very nice, well bred and well conditioned boars, the select of these two herds, and 20 choice gilts. They have boars in this sale that should go to the head of good herds, and quite a number of gilts that are in the same class. Many of these boars and sows have been winners around at the fairs the past two weeks. John Thompson's offering are sired by The Hit, Royal Superba, he by Royal Diamond, and Hi Roller, he by Great Thickset. T. E. Smith has also been showing at the fairs and his winners will all be sold in this sale. Among the Smith boars are some that will make real herd boars, and should go to the head of good herds. This offering throughout should be attractive to those who are looking for the best there is in well bred Durocs. Write either breeder for catalog and please mention Wallaces' Farmer and Iowa Homestead. Address

JOHN THOMPSON, Lake City, Ia. or T. E. SMITH, Paton, Iowa

Col. H. J. McMurray, Auctioneer M. T. White, Fieldman

GLENVIEW FARM POLAND BOAR AND GILT SALE

(Southern Iowa Fair grounds sale pavilion)

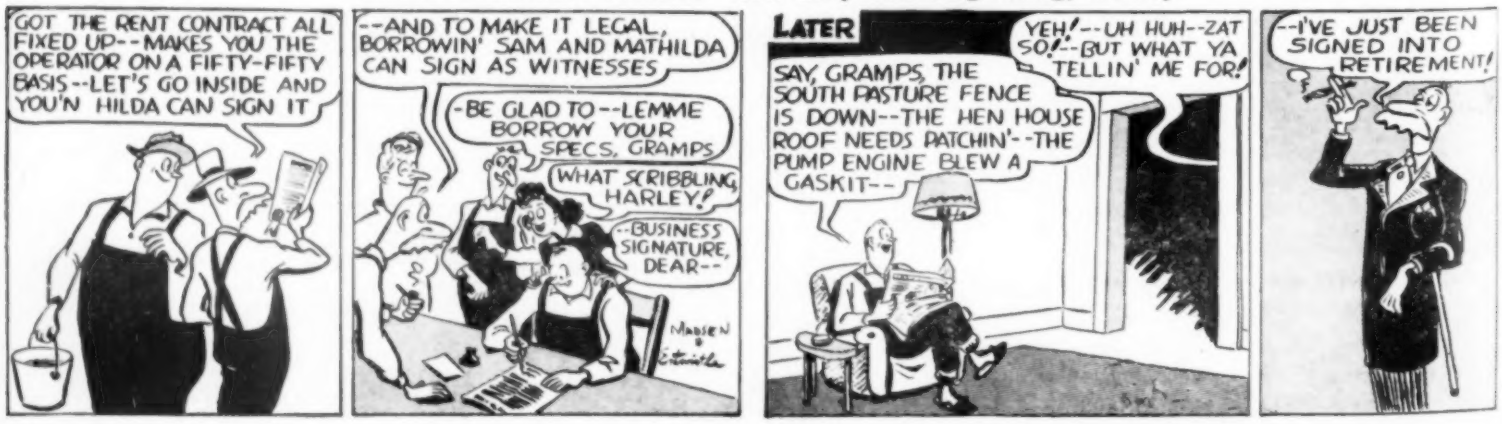
OSKALOOSA, IOWA, OCT. 19th

NIGHT SALE

75 HEAD Choice Boars and Gilts—3 are fall boars by **ILLINI DIMENSIONS**, the 2d prize boar at **1947** Indiana State Fair and **MASTERPIECE** by Victory Lad, a great breeding boar. One excellent litter by **GREATER WORLD** out of a Manchu Dam. Several out of **BOMBER** bred Dams. We sell **Blue Ribbon** winners at **1948** Southern Iowa Fair. Ask for FREE information. Please mention this publication. Address

CHAS. VANDER BEEK, R. 3, NEW SHARON, IOWA

HIRED HAND HARLEY—It's Only The Beginning, Harley



EHF **OCTOBER 14th** EHF

Unusual Sale

OF USEFUL

REGISTERED HEREFORDS

25 With Calves at Foot
all but 8 are rebred

25 Bred Heifers
Mostly Daughters of Domino Woodford and WHR Jupiter Domino 150th

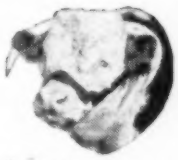
6 Daughters of Real Prince Dundy

20 of the calves and all service by
Domino Woodford and WHR Domino 150th

Siring

Rugged Easy Fleshing Herefords

and providing a cross that is



Unusual

As you will see when you attend this

Unusual Sale

At farm, located only 50 miles northeast of Clinton, Iowa, and near

ETNYRE HEREFORD FARMS

1:00 P. M.—OCTOBER 14th

EHF **OREGON, ILLINOIS** EHF

Ask for FREE catalog; please mention this publication.

AN ANGUS DISPERSION

of the

FRANK W. WHITEHEAD HERD

(At Farm located only 10 miles from Keokuk, Iowa, 5 miles north of Wayland, Missouri, at St. Francisville Bridge on Iowa side)

KAHOKA, MISSOURI, THURSDAY, OCTOBER 14th

MR. WHITEHEAD AND A GROUP OF HIS EXCELLENT BREEDING MATRONS.

70 TOP QUALITY RICHLY-BRED CATTLE

56 Beautiful Females — 14 Bulls, Including 2 Herd Sires

A grand offering and a royally-bred herd of cattle. The herd bulls are **EILEENMERE BERTRAM**, sire of the 1946 International Reserve Champion female . . . a great sire and **PRINCE SUNBEAM 246th** a grandson of the famous 1938 International Grand Champion Black Prince of Sunbeam. Eight choice sons of **EILEENMERE BERTRAM.** Two splendid **BARDOLIER** bred bulls. The 56 females include 25 excellent cows with big fine calves at side, mostly by **PRINCE SUNBEAM 246th.** A few bred cows well-forward in calf and a beautiful lot of heifers some are bred, the others soon ready for mating, mostly sired by **EILEENMERE BERTRAM** and mated to **PRINCE SUNBEAM 246th.** The families include 5 **BLACKCAP BESSIES**; 7 **MAID OF BUMMERS**; 6 **MISS BURGESS**; 4 **BROOKSIDE ELLUNAS**; 4 **ELBAS, (3 are Eboreas)**; 2 **McHENRY BLACKCAPS**; 2 **McHENRY BARBARAS**; 3 **BLACKCAP EMPRESS**; 5 **BALLINDALLOCH BLACKBIRDS**; 3 **EISA ERICAS**; 2 **JUANA ERICAS**; 4 **ENCHANTRESS ERICAS**; 2 **BLUE RIBBON BLACKBIRDS**; 3 **PRIDES**; and 4 **BLACKBIRDS.** Breeding unsurpassed. Remember a **DISPERSION** always offers **BARGAINS.** A sale you will want to attend. Plan to come. Ask now for **FREE**, illustrated catalog. Kindly mention this publication. Address

Aberdeen-Angus Journal, Sale Mgrs. Box 238, Webster City, Ia.

Auct. Roy Johnston J. E. Halsey, Fieldman

Creston Hereford Breeders Sale

22 Good Rugged, Well Bred Bulls

37 Females

Orient, Iowa

FRIDAY, OCTOBER 22nd

CONSIGNORS AND THEIR RESPECTIVE HERD SIRES

Adam Rock, Lenox, Iowa	Jupiter Domino 8th
Walter Blauer, Afton, Iowa	H. & D. Tone Lad 202
Roy Chandler, Chariton, Iowa	Real Silver Knight
J. E. Eiona & Son, Cromwell, Iowa	Domestic Advance
Charley Boyer, Creston, Iowa	Real Prince Domino 22d
A. W. Kelley, Lorimore, Iowa	Domino Lad KTO 101st
H. G. Conard, Afton, Iowa	
Ken Fender, Hamburg, Iowa	
D. R. Ryan & Son, Corning, Iowa	Silver Knigh 16th
Wayne Steck, Orient, Iowa	Royal Star 6th
H. Wright, Orient, Iowa	Royal Star 6th
W. F. Tabler, Chariton, Iowa	Real's Domino C
T. S. Weaver & Son, Afton, Iowa	Real Type 24th
Floyd H. Woods & Son, Orient, Iowa	Helsman Adair 2nd

The offering contains 22 choice bulls of serviceable age, and these are selected from the very best herds in our association. We have some very excellent herd bull prospects, and some good farm and ranch bulls. One bred and proven herd sire, Real Prince D 22d, used successfully in the Charley Boyer herd at Creston, Ia. The female offering contains some choice spring cows with calves at side which will make excellent 4-H projects. Also a number of open and bred heifers.

We think we are listing the best lot of cattle that we have catalogued in a sale in southern Iowa. Write for our catalog at once, and please mention Wallaces' Farmer and Iowa Homestead. Address

LLOYD H. WOODS, Secretary, ROUTE 2, CRESTON, IOWA

Freddie Chandler, Auctioneer. M. T. White, Fieldman.

Interstate Aberdeen ANGUS SALE

67 HEAD

SHOW 9:00 A. M. **SALE** 12:30 P. M.

Sioux City, Iowa

STOCK YARDS HORSE BARNS

OCTOBER 13th

67 Head — 35 Choice Bulls — 32 Well Bred Females

We thought we had a great offering in our last sale at Sioux City, but we have a better offering in this sale. Better breeding, better Individuality and better in every other way. We feel rather proud to be able to assemble such an offering as we are going to sell at this time. It speaks well for the breeders of northwest Iowa when they can bring out such a high class lot of cattle as you are going to see sell in this sale. So we want you by all means to arrange your affairs so you will be able to be with us on sale day. If you are a breeder and you are looking for a herd bull we certainly will have them for you in this sale. If you are on the market for a few females we have just what you are looking for in this sale. These cattle will be passed on by one of our best judges before the sale and this will help buyers in making their selections. We are selling some wonderfully good cows in this sale and many of these will sell with calves at foot. All cattle tested and can go into any state.

CONSIGNORS

	Bulls	Females
Lloyd C. Albers & Son, Sutherland, Iowa	3	2
Axel R. Anderson, Cherokee, Ia.	2	
Clement Butcher, Holstein, Ia.	2	
George & Duane Clark, Worthing, So. Dak.	1	2
Eikmeier Bros., Pipestone, Minn.	1	
Nick H. Fox, Watertown, South Dakota	1	3
Otto Frank, Manilla, Ia.		2
Dwight M. Garner, Ida Grove, Iowa	4	2
Gauger Bros., Clear Lake South Dakota	1	1
Walter R. Griesse, Rock Rapids, Iowa	3	
Dr. H. H. Harris, Battle Creek, Iowa	1	
Howard B. Held, Hinton, Iowa	1	
Cloy W. Hirt, Hartley, Ia.	1	
Johnson Bros., Ida Grove, Ia.	1	3
Elmer J. Johnson, Kiron, Ia.		2
Enoch & Bob Johnson, Galva, Iowa	1	4
W. A. Kirschbaum, Defiance, Ia.	2	
Layton Angus Farms, Walnut, Ia.	2	3
Mallory & Clapsaddle, Swea City Iowa	1	
H. C. Miller, Hampton, Iowa	2	2
Justin A. Mortvedt, Dell Rapids, South Dakota	1	
Carl Steuck, Primghar, Iowa	2	
Ben G. Studer, Wesley, Iowa	2	3
L. B. Todd, Murray, Nebr.		3
	35	32

Ask now for **FREE** catalog. Please mention this publication. Address

P. K. PRATT, Sales Manager, WALNUT, IOWA

Aucts. Roy Johnson and Ray Sims M. T. White, Fieldman

CHESTER WHITE
PURE BRED SALE
Boars and Open Gilts
90 HEAD
PANORA, IOWA
OCTOBER 15
FRIDAY NIGHT, 7:30 P. M.

Sired by McBride's Silver Balancer, Nebraska 1947 Junior Champion and reserve Grand Champion, and McBride's Prototype Model. Featuring 1st prize Iowa Futurity Senior Spring boar pig and a fine litter by Miss Silver Beauty, Iowa 1946 Junior Champion sow. Thick, blocky, fast gaining type. Very polite. Cross well on all breeds. Golden opportunity to improve your herd. Write for illustrated catalogue today.

McBRIDE FARMS' FAMOUS CHESTERS
PANORA, IOWA

North Iowa
Hampshire Breeders
BOARS AND GILTS

In pure bred sales barn, fair grounds
MASON CITY, IOWA
FRIDAY, OCTOBER 15th
Night Sale, Starting at 8:00 P. M.

60 HEAD Choice pure bred boars with a few excellent gilts. Sired by **FUTURE PREMIER, BLENDER 2d, SELECT, MASTER BOUND, TIMBER, MIXER THICK, THE PARADER, ROBIN B, ROBIN BOUND, OUR BIG CHIEF** and **NEW IDEA.** Breeding unexcelled. Quality will please. **BANG'S FREE** offering. Ask for **FREE** catalog. Please mention this publication. Address

GILBERT BEHN, Mgr.
CHAPIN, IOWA

Hampshire Sale
Sale at farm 2 miles South and ½ mile East of Beech. Beech located 11 miles east of Indianola on Highway 92.

PLEASANTVILLE, IOWA
OCTOBER 12th

60 HEAD — 25 BOARS — 35 GILTS

The very tops, selected from 200 head and a great sow herd, carefully culled for production. Offering sired by **OVATION POWER,** a great sire. Ask for **FREE** catalog.

Dale S. McGraw, Pleasantville, Iowa

W. F. RENK
HAMPSHIRE-SHROPSHIRE SALE
SUN PRAIRIE, WIS., OCT. 18th
HAMPSHIRE — SHROPSHIRE

Excellent individuals, rich in pedigree. Excellent Ewes bred to some of the most outstanding RAMS of the breed. Plan to attend. Ask for FREE catalog. Please mention this publication. Address

P. V. EWING, JR., Sale Mgr.
c/o Sheep Breeder, Columbia, Mo.

Grand Champion Hampshire Swine
Brooklyn, Iowa
Night Sale
OCTOBER 7TH
Sale starts at 7:30 P. M.

85 HEAD EXCELLENT WELL-BRED HAMPSHIRES

This is one of the oldest herds in the state . . . a Herd that has produced some of the best **HAMPSHIRES** . . . which is proven by their winnings at the leading livestock shows. **35** top boars selected from a large number, sired by **FIXER,** the sire of the 1948 Grand Champion, Junior Champion and Reserve Champion boars, **IOWA BOUND** the $1,000 son of Blender Bound, NEW IDEA, BLENDER BOUND and STYLMASTER. **50** gilts **35** are tops, eligible for registry and **15** choice gilts, not properly belted—to be recorded, all sired by the same sires as the boars. We include the 1948 Iowa State Fair **JUNIOR CHAMPION** and **RESERVE JUNIOR CHAMPION** and **3** full brothers to the **1948 IOWA GRAND CHAMPION.** Many half brothers and full sisters to 1948 Iowa Grand Champion barrow. A brother to the top selling boar at the National Barrow show, Austin, Minn. Many boars and gilts of like merit. Breeding and quality unexcelled. Plenty of new blood for old customers. **COME.** Ask now for **FREE** catalog. Kindly mention this publication.

Allen Lang & Son **Brooklyn, Iowa**

McKAY'S
POLAND CHINA SALE
IDA GROVE, IOWA, OCTOBER 12th

I am selling 25 boars and 20 choice gilts in this sale and you can bank on it they are good. Among these are a few that are decidedly breeders boars and are good enough to go to the head of any of our best herds. They have good backs and hind quarters on them, good legged and good footed and well marked. They are all sired by our good herd boar **MAR'S MODEL 23859,** and he is a son of Model's Perfection, the sire of the Illinois grand champion boar of 1946, shown by Oscar Anderson, and his dam was a line bred Grandmaster sow. Out of dams by Reconversion and other great sires. Sale will be held at the Ida Grove sale pavilion one mile west of town. All hogs cholera immune and guaranteed breeders. Write for catalog at once and please mention Wallacs' Farmer and Iowa Homestead. Address

F. L. McKAY, Owner, IDA GROVE, IOWA
Auctioneers Hugh McGuire and McIntosch

QUALITY
POLAND CHINAS
at the farm east of town
MASON CITY, IOWA
OCTOBER 13, 1:00 P. M.

BLOOD BANK

40 TOP BOARS

We are offering more outstanding prospects with better growth and development than we have ever had before. The entire offering is large well developed with pleasing style and quality. Most of the offering is sired by BLOODBANK, who has proven himself a sire of exceptional merit. Others by BIG NEWS and by DISTINCTION. Will also sell 3 outstanding prospects by Mandarin, our 1948 Iowa Grand Champion. Plan now to attend. Please mention this publication when writing for the FREE catalog.

EMMERT FARM **MASON CITY, IOWA**

Mail bids handled by Maurice Boney, Fieldman for this paper.

POLAND SALE
At farm located 6 miles southeast of Monticello and 9 miles northeast of Anamosa

Monticello, Iowa
OCTOBER 14th

37 GOOD BOARS — 28 CHOICE GILTS

A grand offering from one of the best herds of the breed. All well-grown, displaying real quality and merit. They are by **THE RECOUNT** and **IOWA PRIDE.** A feature is the Grand Champion Boar at All-Iowa Show, a real boar. 7 in the litter sell, 5 boars and 2 gilts all by **THE RECOUNT** and out of **FANCY MAID 3rd.** Also a great litter by **IOWA PRIDE,** winners at Iowa State Fair. You can find a herd boar here and gilts of foundation character. **COME.** Ask for **FREE** catalog. Please mention this Publication.

HELGENS BROS., MONTICELLO, IOWA

Spotted Poland —SALE!—
To be held at sale barn
LENOX, IOWA,
OCT. 7, 1948
50 Boars — 25 Gilts

One of the choicest offerings selling this fall, all carefully selected to give you the kind of seed stock you can use as foundation and herd building material. Sired by Prince Charming, Lyle's Type and Style Master and out of one of the top sow herds in the state. These boars and gilts have plenty of that size, length and depth of side, and natural thickness that everyone is talking about and striving to produce. You can't afford to miss this sale. Write at once for catalog and mention this paper. Chas. Taylor, Auctioneer.

LYLE STOAKS
CONWAY, IOWA

SMITH-WITTER
DUROC SALE
at Fairgrounds
SPENCER, IOWA
SATURDAY, OCTOBER 9th

20 BOARS — 40 GILTS

W. M. Smith, Milford, Iowa, and Ralph L. Witter, Storm Lake, Iowa, are combining the tops from their outstanding herds. Herds represented include **SMITH'S FANCY LEADER,** by Fancy Leader, the Minnesota Champion, **TAZEWELL COLONEL** by Tazewell Prince, **STAR BLEND,** the famous Potter boar and **THE MONARCH,** from the Ira Johnson herd. The offering will be large, well grown, good in color, and the tops in the ability of producing economical pork. Plan now to attend. Ask for **FREE** catalog. Address

W. M. SMITH
MILFORD IOWA

Annual
HEREFORD HOG SALE
BOARS AND GILTS
(Swine palace)
Colfax, Iowa Oct. 13th

45 HEAD Choice boars and gilts from the leading herds in Iowa. Good quality, type and excellent breeding. Plan to attend. Ask now for **FREE** catalog. Please mention this publication. Address

Harry Sellers, Jr., Secy. Chariton, Ia.
Iowa Hereford Hog Breeders Assn.

SPOTTED POLAND SALE
(At farm ½ mile north, 2 miles east and 1 mile north)
Woden, Iowa Oct. 23
45 HEAD

Choice boars and gilts, the thick, deep, fast-maturing kind that are in demand. Sired by **THE DAZZLER,** outstanding son of Spotted King. Come. Ask for FREE catalog. Please mention this publication.

STANLEY OLSON **WODEN, IOWA**

PAW TUCKER—We'll Bet The Picker Starts Any Day Now

The Leading Hog Breeders Of The Corn Belt

DUROC JERSEYS

FANCY LEADER

Over 30 years of breeding quality DUROCS
Sale at farm
OCTOBER 6th
Plan to come.
You will like the offering.

JUHL BROS. **LUVERNE, MINNESOTA**

THE FUTURE

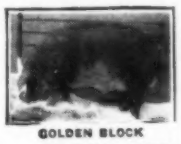
DUROC SALE
at farm
OCTOBER 4th
40 Boars — 10 Gilts
mostly sired by
THE FUTURE.
Come!

WALTER RIEBESELL **CALUMET, IOWA**

OAKDALE ROYAL TOPS

HERD SIRES:
OAKDALE ROYAL TOPS,
Reserve Champ of Missouri, and
SMOOTH LEADER,
sire of leading Durocs.
SALE OCTOBER 23d
Write for FREE catalog.

W. H. HELMKE & SONS **RENWICK, IOWA**



GOLDEN BLOCK

Top selection of spring DUROC BOARS available.
Herd sire:
GOLDEN BLOCK,
an outstanding sire.
Priced to sell.
Write or visit.

MELVIN JENSEN **EVERLY, IOWA**

DUROC SALE
October 5th

Sixty extra rugged Boars and 10 smooth Gilts mostly sired by THE PILOT and other leading boars of the breed. See these before you buy. Plan now to attend.

BERT BROEK & SONS
SIOUX CENTER IOWA

TRU-TYPE - TOPS - GOLD STAR DUROCS

National prize-winning bloodlines.
Male pigs and gilts. (We ship)
Our Specialty
Deep bodies, thick hams, heavy bone, dark-red color and easy feeders. Careful selection to customers.

ELMER D. SCHRADER SIGOURNEY, IA.

25 BOARS — 40 GILTS
Duroc Sale October 22

Medium type, growthy, several Official Registry litters. Sired by The True Image (by Spotlight's Image) and Proud King.
Write for Catalog.

AIRY BROS. DERBY, IOWA

150 DUROCS

For sale, top Duroc boars. Herd headed by **SHOW BOY** . . . the boar with the greatest **SHOW** record of any Junior pig of the Duroc Breed. Real quality. Reasonable. Farms, located 2 miles west of Washington, Iowa, on Highway No. 92 and 4 miles west of Ames, Iowa on Highway No. 30. Address all inquiries to

BOX 492 , WASHINGTON, IOWA
SUNSET KNOLL FARMS
J. C. Holbert - Don Rinner Garold Parks, R. 3,
Box 492, Washington, Ia. Ames, Iowa.

TOP QUALITY DUROCS

Forty big, dark red, medium type, spring boars. Mostly sired by Leaders King, an outstanding sire of big uniform litters. Write or visit our farm.

JIM HAGAN **GLIDDEN, IOWA**

DUROC JERSEY BOARS

At private sale. Well grown and popular blood lines. Sired by **Invincible Orion, Mr. Blue, Golden Prince 2d, Model Buy King.** Write or come see them. Address the

E. M. REICHERT ESTATE CORNING, IOWA

DUROC BOARS

Choice spring boars by **MASTER LEADER 1st** and **CHEYENNE.** They are uniform, good colors, thick with length. **COME** any time. Reasonable. Write or phone.

CHARLES DAHLKE SCRANTON, IOWA

DUROC BOARS AND GILTS

Sired by **N. P. ROYAL TYPE,** extra dark red gilts with mostly 12 very prominent nipples on every one. Weight 250 lbs. Cholera Immune.

VINCENT DRUMMY **RYAN, IOWA**

40 HUSKY DUROC BOARS

Good thick meat type Durocs, the kind that have made our herd famous for over 50 years. They have proved their ability when it comes to producing pork. Also spring gilts.

CAMERON BROS. HOLMAN, NEBR.

Duroc Boars and Gilts

Sired by **SMOOTH MODEL.** Outstanding quality. Ready to sell. 7 good fall boars that will please. Write or visit the farm.

DONALD E. SMIT HULL, IOWA

DUROC JERSEY BOARS

A good fall boars for sale and they are good. Also 50 very choice spring boars that will make herd sires. These are sired by **Proud Seco Model, Profit Maker** and **Fairview Lucky Boy.** Write us or call and visit. Address

SAM ROBERTS & SONS **JEFFERSON, IOWA**

DUROC JERSEYS

OCTOBER 25

Is the date of our annual **Duroc** sale. Ask for **free** catalog. Quality breeding stock at al times. Write or visit

HENRY KRULL **BUFFALO CENTER, IOWA**

DUROC BOARS AND GILTS

Large well grown boars mostly sired by IOWA PRINCE. They are the easy feeding kind—popular with the farmer. Reasonably priced. Write or visit.

CORWIN C. PEER ALGONA, IOWA

DUROC BOARS

Selling privately top Duroc boars of 200 spring pigs. Herdsires: **RED KING, JR., PROUD CLIMAX, CORNBELT.** They are the thick-easy-feeding type.

N. W. TOPF & SONS **SALIX, IOWA**

POLAND CHINAS

POLAND CHINA SALE

just north of state line at farm near

BEAVER CREEK, MINNESOTA
NIGHT OCTOBER 21st

35 Boars mostly sired by NIGHT HAWK with a good litter by LOCKINVAR. Sow herd by Lochinvar, Black E., and Cabellero. Ask for FREE catalog.

VERNON KVALE BEAVER CREEK, MINN.

POLAND CHINA BOARS

We offer a grand selection of large spring boars from a big herd. 50 years as breeders of quality Poland Chinas. Priced reasonable. Visitors always welcome.

H. F. OLERICH & SONS& ROLFE, IOWA

HILLBROOK POLAND BOARS

Hillbrook Farms, formerly owned by Chas. F. Schrunk & Sons, now owned by **OTTO F. SCRUNK & SONS,** offer some outstanding boars with quality and popular blood lines as the farm has produced in the past **40** years. **REASONABLE.**

OTTO F. SCHRUNK & SONS
Mapleton, Iowa

30 POLAND BOARS

I have 30 head Poland China boars that are ready to go. I have some grand good boars, well-bred and good individuals. Write to me or come and see my boars. Reasonable.

LYLE COCKERTON
WHITING, IOWA

30 POLAND CHINA BOARS, 30 GILTS

I am selling all my boars and sows at private treaty this fall and it will pay you to come and see me before you buy. I think I have what you are looking for. These are sired by medium type, quality Polands and are real barzains. Address

KENNETH MARSH LEHIGH, IOWA

POLAND BOARS — GILTS

30 good boars, 30 choice gilts by **GRAND SLAM.** The big smooth, easy-feeding kind, with nice heads and good feet. New Blood. Guaranteed. Ship anywhere. Come, phone or write.

VINCENT MANDERSCHEID, MAQUOKETA, IA.

POLAND CHINA SALE
at Algona, Iowa, Fairgrounds
NIGHT OCTOBER 25th

30 Boars and 20 Gilts mostly sired by our Reserve Sr. Champion of Iowa, ADVANCER. Write for FREE catalog. Our Polands do well for others.

LOUIS J. REILLY LONE ROCK, IOWA

SPOTTED POLAND CHINAS

SPOTTED POLAND SALE

at the farm near

LUVERNE, MINN.

OCT. 19, 1:30 P. M.

Boars and gilts sired by HANDSOME HAM and MARKET MASTER. The kind the farmers and breeders like. Write for catalog.

BEN C. & MAURICE R. FITZER
LUVERNE, MINNESOTA

Spotted Poland Boars — Gilts

Forty extra choice purebred spring boars and gilts, smooth, deep, heavy-hammed and long bodied, sired by **GOLD BRICK,** the 2d top in Woodyard's sale and **ACE OF DIAMONDS** from the Ed Warren herd. Come early and select the tops. Farm west of Iowa City. **Reasonable.**

Oren Neitderhisar **Tiffin, Iowa**

REGISTERED SPOTTED POLANDS

Choice boars sired by **SPOT KING,** 1946 Iowa Junior Champion and **NEW BLACK JOE.** I show the Champion Spotted Barrow and 1st prize litter at **1948** Iowa State Fair. These are the same high **QUALITY.** Immunized.

POPULAR PRICES.
LELAND B. DELLINGER
SHELL ROCK IOWA

SPOTTED POLAND SALE

at the farm

NIGHT, OCTOBER 8th

50 large, well developed boars with a lot of smoothness and quality, mostly sired by the noted BIG CHIEF and out of dams by The Rocket. Plenty of good farmer boars. New blood for old customers. Plan now to attend.

FRED F. GOODCHILD & SONS
MALLARD IOWA

SPOTTED POLAND SALE
at Fairgrounds
SPENCER, IOWA
OCT. 8th, 1:00 P. M.

50 large rugged boars at your own prices. Plan now to attend.

KARL E. CARLSON LAKEFIELD, MINN.

SPOTTED POLANDS

Choice spring boars and gilts, by **GLORY B.,** a son of New Glory, and **ROCKER FBI.** All well-grown, excellent type, style and quality. Reasonable.

R. W. HANSELL & SON, INDIANOLA, IOWA

SPOTTED POLAND CHINAS

I now offer the best boars and sows I have ever raised. 40 boars and 30 gilts at private treaty. Sired by Aller Cap, Twenty Grand and Crusader. Write or come. Address

WM. O. NOTZ CRESTON, IOWA

SPOTTED POLAND CHINAS

SPOTTED POLANDS

Boars and Gilts
OCTOBER 14th
50 HEAD

selected from a good herd. The home of the Grand Champion sow and 3 great boars out of the Champion sow. One placed 3d at Iowa State Fair. The litter weighed 205 lbs. at 4 months and 11 days old. Sired by **FLASHY DIAMOND, THOMPSON'S SPECIAL, LISTER'S TYPE 2d, LISTER'S LOW DOWN,** and others. The big smooth, easy-feeding kind that Farmers like. Champions in feed lot and show-ring. Come. Ask for **FREE** illustrated catalog. Please mention this publication.

I. C. Lister **Bloomfield, Iowa**

Spotted Poland Chinas

BOARS AND GILTS
October 11th at Red Oak Auction
RED OAK, IOWA

Choice individuals registered by **SUPERFINE,** a great son of Minnesota Champion Supersweet. Others by **TOPPER,** another great boar. They are well grown and proper type. Must be seen to be appreciated.

DONALD DONOHUE, STANTON, IOWA

SPOTTED POLANDS

REGISTERED BOARS AND GILTS
Sired by **"ROYAL BUSTER,"** top son of **"SOD-BUSTER."** Farmers boars at farmers prices.

AYR LAYNE FARM
R. L. MUENCH IONIA, IOWA

SPOTTED POLAND BOARS

Choice well-grown boars sired by **BIG CHIEF, ADVANCER,** and **SQUARE SUPREME.** Write or come see them. 5 miles north, 1½ miles east

ROBERT EDDEE & SONS
STORM LAKE IOWA

SPOTTED POLANDS

75 Choice spring boars, 60 open gilts. Well grown, thickness with quality and length. Best of breeding.

CLARENCE HOCK GILMORE CITY, IOWA

SPOTTED POLAND CHINAS

Boars sired by Corn Silk, by Grandview Supreme, The Architect, by Dodge's Design and National Topic, by Silver Tone. All outstanding boars, but everyone that sees National Topic considers him the best in the breed.

PETER WITT **KEYSTONE, IOWA**

CHESTER WHITES

CHESTER SALE

Sale in Town

Preston, Iowa, Oct. 7th

Night sale 7:30 P. M.

55 HEAD

Choice spring boars and gilts selected from a good herd, by **TRU MODEL'S PRIDE** 552039 by Tru Model, **IOWA FEATURE 1st,** 543795 by Silver Streak **Banners Model 2d,** 565147 by The Banner Jr. and **CHIEF MODEL JR.,** 770176 by Big Chief Model. Best in blood lines. Plenty of new blood for old customers. 25 excellent rugged boars and 30 real gilts. Herd **BANGS' TESTED.** All double treated for Cholera. Ask for **FREE** catalog. Please mention this publication.

WALTER KUKKUCK, PRESTON, IA.

MODEL CHIEF

65 CHESTER WHITE BOARS

Top outstanding individuals March and April farrow. Sired by Performance Chief 558527, Combination 546415, and Model Chief 549743. Anyone looking for a Good herd boar, well grown, and the type in demand today with a well balanced body conformation and uniformity, good bone and feet, with Depth of body, loin, and smoothness, size and quality all the way around. Should inspect our herds. Herd Immuned. New Blood for old Customers. Reasonable Prices. Pedigrees furnished. 44 years Breeding purebred Chesters. Visit us, or write.

F. H. SCHMADEKE & SONS, Clarksville, Iowa

IOWA CHIEF
Iowa Junior Champion

CHESTER WHITES

The best in Chester Whites. One of the finest herds, where top quality is produced. Rich breeding, excellent quality.
SALE OCT. 6
Write us.

C. T. KEEN & SONS **LeGRAND, IOWA**

CHESTER BOARS

selected from over 200 spring pigs. **Held's Model,** son of $3,200 Portage Model and **H. Sparkler Champ** are crossing well on Balancer and other top blood lines. Priced to sell.

B. F. HELD & SONS

THE DEAN

HINTON, IOWA

PRIZE WINNING CHESTERS

I am now ready to sell boars out of my prize winning sows. I had the grand champion at the Iowa State Fair this year. Offering some good prize winning boars. Write or come and see me. Address

ROY V. COPP **GLIDDEN, IOWA**

CHESTER WHITES

CHESTER WHITE BOARS

Choice purebred boars, good type, best quality. Vaccinated and guaranteed. Reasonable.

AXEL L. JOHNSON
MANSON **IOWA**

HAMPSHIRES

HAMPSHIRE BOAR SALE
8 P. M. WED. NIGHT, OCT. 13th

at Fairgrounds

BLUE EARTH, MINNESOTA

40 large rugged boars from Minnesota's top herd. Our pigs sired by Balancer, a son of Mid-Win, and Cherry Trust, top son of New Idea, will please you. They are Exceptionally large. Plan to attend. Ask for **FREE** catalog.

GEORGE LORENZ **WELLS, MINNESOTA**

HAMPSHIRE BOARS

Large rugged boars mostly sired by our Spencer Grand Champion, **HI-HOPE MODEL BOY.** Many of the boars from the show herd sell including the 2nd prize spring boar. They will please and priced to sell.

ALBERT L. LARSON AYRSHIRE, IOWA

CHOICE HAMPSHIRE BOARS

We have some of the best we have ever raised. These are well bred and good individuals. Come and see them and get your pick. Address

PHILLIP JOHNSON & SONS BLENCOE, IOWA

POWELL OFFERS HAMPSHIRE BOARS

If you are looking for a good Hampshire boar I have them for you. The best of breeding and good individuals. March farrow. Some great herd boars have been produced in our herd. We have some for you now and you should see them. Write or come and see them. Address **Dick Powell, Harlan, Iowa.**

STRUVE'S HAMPSHIRE BOARS

35 head of well bred and well developed Hampshire boars for sale. If you are looking for a good boar I certainly have them for you. Priced to sell. Address

ROY A. STRUVE MANNING, IOWA

YORKSHIRES

Prize Canadian Yorkshire Litter

At the Nebraska state fair the dam was 1st, Senior Champion and Reserve Grand Champion; the litter won 1st, 2-3-4-5 on the boars and 4th on the gilt. The dam carries a fall litter. She and the litter are out-standing Yorkshire type and probably carry as much Canadian Champion breeding as any Yorkshires in the states. They are all for sale. Write for tabulated breeding and prices to

H. C. McKelvie, 30th & L St., Omaha 7, Nebr.

Yorkshire Sale of Champions
Thursday, October 14th

70 Head Bred Gilts—40 Open Gilts—10 Boars, real herd boar prospects. The greatest offering of **Yorkshires** ever sold in the U. S. Tops from our 1948 high winning show herd at **Illinois, Ohio** and **Maryland State** Fairs. Many prize winners will sell. Ask for **FREE catalog.**

YALEHURST YORKSHIRE FARMS
PEORIA, ILL.

PUREBRED
YORKSHIRE HOGS

Registered Breeding Stock of All Ages for Sale.
PORTER & SON ELDRIDGE, IOWA
8 miles north of Davenport

YORKSHIRE HOGS

"The Lean-meat Post-war Breed"
Bred gilts, pigs, unrelated boars. Illustrated circular.
YALEHURST YORKSHIRE FARM
PEORIA, ILLINOIS

TAMWORTHS

Champion Tamworths

Offering excellent spring boars and gilts of the same breeding that has won for me, **TOP** . . . awards Iowa, Illinois and Minnesota State Fairs and the **NATIONAL** Barrow show. I believe my winnings with these spring boars and gilts and Barrows . . . proves the **QUALITY** of my breeding stock. Write now for prices and **COME** inspect them.

J. H. JONES **AINSWORTH, IOWA**

BERKSHIRES

BERKSHIRE BOARS AND GILTS

Our market barrows swept the recent Iowa State Fair show. Sons and daughters of IOWA LAD, POST WAR, and others. Breeding and quality that will please. Priced to sell. Farm 2½ miles south.

HI-VIEW FARM
Eagle Grove **Iowa**

HEREFORD HOGS

HEREFORD HOGS
NEW! DIFFERENT! DISTINCTIVE MARKINGS!
SHIPPED C O D YOUR APPROVAL
FREE CIRCULAR
YALEHURST FARMS, PEORIA, ILL.

MINNESOTA NO. 1 HOGS

MINNESOTA NO. 1 HOGS

Choice registered spring boars. Can furnish unrelated gilts. Six miles S. E. Cedar Rapids, one mile south of Bertram. Phone 3-8027.

WILLIAMS BROS., R. 3, CEDAR RAPIDS, IA.

MINNESOTA NO. 1 HOGS

25 choice registered spring boars and 25 gilts. Large litters, easy feeders, reasonable prices.

E. M. WRIGHT, **R. 4, WATERLOO, IOWA**

FEED BOW-KEY FEED
DES MOINES . . . . . IOWA

IOWA'S LEADING SHORTHORN BREEDERS

EDELLYN MARINE MERCURY

A grand cow herd headed by great sires **Edellyn Marine Mercury** sire of top selling cattle and **Edellyn Royal Leader 29th**

Write us your wants. Reasonable.
Ask for FREE catalog
P. A. RASMUSSEN & SONS
Goldfield, Iowa

GOLDEN RULE FARMS
"The Home of Goldfinders"

Herd bulls, GOLD ACCENT, DOUBLE GOLDFINDER and KILLEARN MONORACH 29th. Our female herd of GOLDFINDER breeding . . . the blood that made Shorthorns famous. Visitors always welcome.

HOLZ BROS.
Rippey, Iowa, or Grand Junction, Iowa

GOLDFINDER'S CHAMPION

Outstanding herd, headed by **GOLDFINDER'S CHAMPION** International Champion. Good bulls and females offered.

CLAUSEN BROS. **SPENCER, IOWA**

EDELLYN ROYAL LEADER 31st

Choice, thick, well-balanced bulls by **EDELLYN ROYAL LEADER 31st** and heifers by **EDELLYN RIVAL MERCURY** bred to "31st". Write

CHRIS M. GERST
Alton, Iowa

SPREADING ELM SHORTHORNS

VILLAGE VICTORIA 44TH

A grand herd, well-bred, pleasing in type and quality, headed by a great sire **GOLDFINDER EMBLEM**, sire of a top female at International. Write us.

DEWAR BROS., CHEROKEE, IOWA

SCOTSDALE BARON

A large herd headed by **SCOTSDALE BARON** (Imp. in Dam) and **SCOTSDALE ADMIRATION**

Young stock for sale

SWANSON BROS. **ESTHERVILLE, IOWA**

A son of **PRINCE WILLIAM (Imp.)** won grand champion at Ohio and Indiana State fairs. Buy your bull where they breed champions.

PRINCE WILLIAM (Imp.)

BEN G. STUDER **WESLEY, IOWA**

MORLUNDA PRINCE PETER

by Calrossie Prince Peter (Imp.) heads our herd. Families, Clara's, Broadhooks, Golden Chains, Nonpareils, Victoria, etc. Farm 10 miles west of Carroll on Highway No. 30.

H. B. LEITING. ARCADIA, IOWA

Cumberlands and Ransoms

Home of the above and families are Augusta, Gipsy Maid, Rosewood and others. Two good bulls and a few cows offered.

JOHN SAUNDERS & SON, MANILLA, IOWA

Breamor Starry Archer 9th

by Millhill Starry Archer (Imp.) sire of Congress Champion heads our herd. Two bulls by him. Reasonable. See them.

WILL A. DAVIS & SON, OAKLAND, IOWA

Pleasing Type — Quality

Outstanding small herd of grand brood cows, herd sire BLYTHWOOD NATIONAL COMMAND. Write me for shorthorns.

MARTIN LUINSTRA. HARRIS, IOWA

PRINCE PETER

the Sioux Empire Champion, heads our herd. Offering some good, young bulls and choice heifers. Reasonable. Write or see them.

RALPH HELLINGA HARRIS, IOWA

DON HILL ROYAL LEADER 9th

is at the head of our good cow herd. Choice Breeding stock at reasonable prices. See us for Shorthorns.

ROGER WALKER & SONS PAULLINA, IOWA

Metz Bros., Holstein, Iowa

Breeders of high class Shorthorn cattle. Two high class herd bulls at the head of herd. When wanting Shorthorns come and see us. Visitors always welcome.

Forsythe Farms Shorthorns

Herd Bulls—**Ideal Renown** by OAC Ransom 23d, **Don Hill Mercury 22d**, he by Dr. Donohoe's noted Mercury bull. Something to sell all the time. Come and see us.

BOCHMAN BROS. HOLSTEIN, IOWA

GOOD YOUNG BULLS

By **CURTIS CANDY MERCURY 2d**, a son of a Grand Champion. Best type and quality. REASONABLE.

GEORGE FANNING, GILMORE CITY, IOWA
FLOYD FANNING, NEMAHA, IOWA

GOOD YOUNG BULLS

by **Will-A-Dell Gold Plate**, a son of Gold Nugget and our other bull is **ICENI COMMODORE** (Imp.) by Calrossie Randolph. Dark red and roan calves approaching serviceable age.

H. K. OWENS HOMESTEAD, IOWA

BAMPTON MAJOR (Imp.) sire of 1947 Iowa Reserve Grand Champion bull. Note type, depth and thickness.

FEMALES by **BAMPTON MAJOR** (Imp.) sire of champions. Bred to **CORRIMONY EMPEROR** (Imp.), a choice dark roan.

Sale Oct. 30th

Young stock for sale

Write early for FREE Catalog

HELFRED FARM, R. 6, Des Moines, Iowa
F. W. Hubbell, Owner. Chas. Garden, Mgr.

MONDAMIN SHORTHORNS

Herd bulls in service
MARELLBAR IAN and
CRUGGELTON PROUD PRINCE (Imp.)

Good ones, richly bred. One of the best herds in Iowa, representing leading families. The best bulls and females on the farm we have ever produced. Cattle for sale. Visitors always welcome. Come.

HELD BROS. **HINTON, IOWA**

Top young bulls by our sire **EDELLYN CLIPPER MERCURY** stand at the head of leading herds. Bulls and females for sale.

CLYDE PALMER
Harris, Iowa

EDELLYN CLIPPER MERCURY

15 SHORTHORN BULLS

Choice, well bred Scotch bulls, red and roan, sired by **GOLDFINDER IMAGE** and **GOLDFINDER AGAIN**, and out of my best Scotch-bred cows. If you are looking for a good bull, come see them. I can fit you out. Act now.

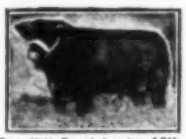
PHIL FUNKE **GREENFIELD, IOWA**

PERRY O. BROWN & SON
LAMONI, IOWA

Breeder of strictly high class Scotch Shorthorns. Our herd bulls are **VICTOR'S MANDATE**, a son of Haigler's Victor 2d and **NEWALLYN ROSEWOOD KING** by Newallyn Crocus King. Families: Rosewoods, Augustas, Claras, Princess Royals. Will have some outstanding club steers for sale this fall. Visitors always welcome.

A well bred herd headed by **DON HILL ROYAL LEADER 12th**

Offering some excellent young bulls and females. Reasonable. Write or visit the farm.


Don Hill Royal Leader 12th

M. W. SMITH **PAULLINA, IOWA**

Sni-A-Bar Regal Mercury

A son of Edellyn Campeon Mercury and ¾ brother to Sni-A-Bar Control, International Champion, heads our herd. A choice young bull for sale.

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STARDALE LEGEND

Choice Polled Bulls by **MISTY VALE COMMANDER** and females mated to **STARDALE LEGEND.**

Reasonable.

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ARLINGTON, IOWA

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HOLSTEIN BULLS

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Choice, high grade, nicely marked, 6 to 18 months, tested
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12 GUERNSEY BULLS

Service or near service age. Popular blood lines. A. R. Dams. Also several spring cows, bred heifers and heifer calves. Negative all tests.
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Yearling Shropshire and Hampshire Rams
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Ten year-old grey stallion; 7 year-old black mare with filly foal at side; one 4 and one 2 year-old grey mares. Inspection invited.
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Two to 8 months of age. Holstein, Guernsey, Jersey, Brown Swiss and Ayrshire breed.

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Iowa State College Ames, Iowa

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Our Herd Average for the past two years is:
519 lbs. B. F. per cow.
EVERETTE DAVIS
CRAWFORDSVILLE IOWA

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Registered Black Angus

Yearling Heifers and Calves
Walter England Clearfield, Iowa

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Ratter and Fitzgerald sires on Yoke foundation. Choice rams at reasonable prices.
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For sale choice Rams, with size, bone and quality. Using **RENK** and **IROQUOIS** sires. Reasonable.
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100 rams for sale; also ewes. Shipped anywhere on approval. Write or wire.
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REASONABLE.
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Choice breeding ewes, feeder lambs, rams. Desirable quality. Reasonable.
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Registered Suffolk rams, yearlings, and lambs. Choice breeding and quality.
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PUREBRED REGISTERED KARAKUL EWES & RAMS

O. B. APPLETON & SON
EDGEWOOD IOWA

Save Money, Buy Bonds

Coming Livestock Sales

ABERDEEN ANGUS

Oct. 4—Nodaway County Breeders Assn., Maryville, Mo.; F. B. Houghton, Secy.
Oct. 5—Harry C. Meredith, Searsboro, Iowa.
Oct. 7—Southwest Wisconsin Breeders, Lancaster, Wis.; J. C. Perrin, Secy., Bloomington, Wis.
Oct. 13—Interstate Aberdeen Angus Breeders Association, Sioux City, Iowa; P. K. Pratt, Secy., Walnut, Iowa.
Oct. 14—Dispersion. Frank Whitehead, Kahoka, Mo.
Oct. 16—Central Illinois Breeders, Congerville, Ill.; Simon E. Lantz, Secy.
Oct. 26—Night Sale. Dispersion. Oscar Engstrom, Renwick, Iowa; sale at Eagle Grove, Iowa.
Oct. 30—Benson Angus Farms, Milton, Iowa.
Nov. 9—Chariton Valley Breeders Assn., Kirksville, Mo.; Otto Shinn, Secy.

HEREFORDS

Oct. 12—Reed-Hayden-Granfield Sale, at Creston, Iowa; T. M. Hayden, Mgr., Creston, Iowa.
Oct. 14—Frayre Hereford Farms, Oregon, Ill.
Oct. 16—T. G. Murray, Oxford Jct., Iowa.
Oct. 18—Dispersion. W. W. Hodgen, Kingsley; sale at Sioux City, Iowa.
Oct. 22—Creston Hereford Breeders, Orient, Iowa; Lloyd H. Woods, Sale Mgr., Creston, Iowa.
Oct. 29—Northeast Missouri Assn., Memphis, Mo.; Geo. E. Leslie, Jr., Secy.
Nov. 20—Circle A Hereford Farm, Morris, Ill.
Oct. 27—Chardon Farms, Grayslake, Ill.
Nov. 8—Nishna Valley Assn., Exira, Iowa; Harvey W. Johnson, Mgr.
Dec. 3-4—Sioux City, Iowa; Iowa Hereford Cattle Breeders Assn., F. W. Ketelsen, Everly, Iowa, Secy.

POLLED HEREFORDS

Dec. 6-7—Iowa Polled Hereford Assn., Des Moines, Iowa; Leigh Curren, Secy., Mason City, Iowa.

SHORTHORNS

Oct. 2—Hale Bros., Rippey Iowa.
Oct. 4—Northwest Missouri Breeders, Rockport, Mo.; Joe Moser, Secy., Maryville, Mo.
Oct. 6—Gilbert Kardel, Walcott, Iowa; Pennington Bros., Wellman, Iowa, and Carlton Reed, Bellevue, Iowa; sale at Walcott, Iowa.
Oct. 12—Dispersion. Blotz Bros., Dodgeville, Wis.; Hal Longley, Sale Mgr., 16 S. Locust St., Aurora, Ill.
Oct. 13—Ted Whitford & Sons, Volga, Iowa; S. Davis & Son, Wadena, Iowa; Fred Rothlisberger & Son, Elgin, Iowa.
Oct. 19—Minnesota State Sale, Redwood Falls, Minn.; N. T. Findhal, Secy., Waterville, Minn.
Oct. 20—Merryvale Farms (Dispersion), Grandview, Mo.
Oct. 22—Breeders Sale, Abingdon, Ill.; Hal Longley, Mgr., 16 S. Locust St., Aurora, Ill.
Oct. 29—George Struve & Sons, Manning, Iowa.
Oct. 30—Helfred Farms, Des Moines, Iowa.

4-H SHORTHORN STEERS

Oct. 9—Otto Thede & Sons, Burton, Neb.; sale at Cherokee, Iowa.

POLLED SHORTHORNS

Oct. 5—Sioux Empire Polled Shorthorn Club, Sioux Falls, S. D.; John F. White, Secy.
Oct. 11—Iowa Polled Shorthorn Club, Des Moines, Iowa; Earl S. Girton, Secy., Marshalltown, Iowa.
Nov. 3—G. W. Zinnell & Son, Rockwell City, Iowa, and Otto Johnson, Lohrville, Iowa; dispersion sale at Carroll, Iowa; Merv. Aegerter, Mgr., Seward, Neb.

MILKING SHORTHORNS

Oct. 4—Southeastern Iowa Breeders Sale, Bloomfield, Iowa; A. R. Chilton, Mgr., Sigourney, Ia.
Oct. 11—Minnesota Consignment Sale, Mankato, Minn.; R. E. Hodgson, Secy., Waseca, Minn.
Oct. 29—Breeders Fall Sale, Omaha, Neb.; H. C. McKelvie, Mgr.
Oct. 30—Milking Shorthorn Breeders Sale, Waterloo, Iowa; Walter Kruse, Mgr., Sheldon, Iowa.

DAIRY CATTLE

Oct. 9—Jones & Brenizer (Jersey Dispersal), Lamont, Iowa; Ivan N. Gates, Sale Mgr., West Liberty, Iowa.
Oct. 11—Annual Olmsted County Holstein Sale, Rochester, Minn.; Minnesota Sales Co., Mgrs.
Oct. 12—Southeastern Iowa Holstein Breeders, Wellman, Iowa; Clark Gingerich, Mgr.
Oct. 14—Iowa State Ayrshire Sale, Waterloo, Iowa; Richard M. Sears, Sale Mgr., Grinnell, Iowa.
Oct. 18—Iowa Holstein Breeders Assn. Sale, Waterloo, Iowa; Dallas V. McGinnis, Secy., 912 Waterloo Bldg., Waterloo, Iowa.
Oct. 19—Southeastern Iowa Ayrshire Sale, Wellman, Iowa; Richard Sears, Mgr., Grinnell, Iowa.
Oct. 19—Hi-Lane Farm Holstein Dispersal, Waukee, Iowa; Claude E. Wylam, Mgr., Waverly, Iowa.
Oct. 20—South Central Holstein Breeders, Mankato, Minn.
Oct. 22—Ayrshire Imported Canadian Cattle, Omaha, Neb.; H. C. McKelvie, Mgr.
Oct. 23—North Iowa Guernsey Sale, Mason City, Iowa; Paul M. Sorole, Secy.
Oct. 26—Holstein Midwesterner National, Omaha, Neb.; C. E. Wylam, Mgr., Waverly, Iowa.
Oct. 30—Wylamyna Invitational Sale, Holsteins, Wylamyna Farm, Waverly Iowa.
Nov. 20—Fourth Dairyland Sale, Waukesha, Wis.; Phillips Sales and Pedigree Service, Mgrs., Waukesha, Wis.
Dec. 4—"Parade of Holstein Bulls," Show and Sale, Waterloo, Iowa; Claude E. Wylam, Mgr., Waverly, Iowa.

BERKSHIRES

Oct. 6—Milo Wolrab, Mt. Vernon, Iowa.

CHESTER WHITES

Oct. 2—A. L. Bidne & Son, Lake Mills, Iowa.
Oct. 4—Henry J. Dickinson, Sabula, Iowa.
Oct. 6—C. T. Keen & Sons, Legrand, Iowa.
Oct. 6—Robert Lanigan, Fairbank, Iowa; Night Sale at Independence, Iowa.
Oct. 6—Nick Terpstra, New Sharon, Iowa.
Oct. 7—Seehusen & Jamieson, Center Jct., Iowa.
Oct. 7—Night Sale. Walter Kukkuck, Preston, Iowa.
Oct. 8—Night Sale. Henry Jurgensen, Olin, Iowa.
Oct. 8—Night Sale. Ted Towbridge, Marshalltown, Iowa.
Oct. 11—Night Sale. Joe Madden, Maryville, Mo.
Oct. 14—Night Sale. Carl Steinfeldt & Son, Eldora, Iowa.
Oct. 15—Herbert F. Hoover, Active Acres Penn Dairy, Oskaloosa, Iowa.
Oct. 15—Night Sale. McBride Farms, Panora, Iowa.
Oct. 16—Harold W. Miller, Janesville, Iowa; Night Sale at Waterloo, Iowa.
Oct. 19—Walter Schminke & Son, Van Horne, Ia.
Oct. 19—Albert K. Petersen, Denver, Iowa; Night Sale at Waverly, Iowa.
Oct. 21—Night Sale. Clarence Smith, Sr., Paullina, Iowa.
Oct. 22—Glen L. Rinehart, Britt, Iowa.
Nov. 3—Westcott Bros., Denison Iowa.
Nov. 4—Ross O. Willey & Son, Onawa, Iowa.

DUROC JERSEYS

Oct. 4—Walter Riebesell, Calumet, Iowa.
Oct. 4—Willard C. Klein, Iowa Falls, Iowa.
Oct. 5—Bert Broek & Sons, Sioux Center, Iowa.
Oct. 5—Gregor F. Vaske, Dyersville, Iowa.
Oct. 6—Juhl Bros., Luverne, Minn.
Oct. 7—Ernest L. McDermott, Wiota, Iowa.
Oct. 8—H. C. Timm, Muscatine, Iowa.
Oct. 8—Charles Fritz, Grand Junction, Iowa.
Oct. 9—Knotek Bros., Riverside, Iowa.
Oct. 9—W. M. Smith, Milford, Iowa; sale at Spencer, Iowa.
Oct. 11—Fairview Stock Farm, Ames, Iowa.
Oct. 15—J. S. Golder, Oakland, Neb., and Gilbert Lauenstein, Hooper, Neb.; J. S. Golder, Mgr.; sale at Fremont, Neb.
Oct. 18—Night Sale. Carl Hebner, Jefferson, Iowa.
Oct. 18—Nels Lindhart & Sons, Lehigh, Iowa.
Oct. 19—John Thompson, Lake City, Iowa, and T. F. Smith, Paton, Iowa; sale at Lake City, Iowa.
Oct. 21—Paul Hiveley, Duncombe, Iowa.
Oct. 22—Oliver Bricker, Farragut, Iowa.
Oct. 22—Airy Bros., Derby, Iowa.
Oct. 23—W. H. Helmke & Sons, Renwick, Iowa.
Oct. 27—Henry E. Krull, Buffalo Center, Iowa.

LIVESTOCK FIELDMEN

M. T. WHITE, 604 No. Fortieth St., Omaha, Nebraska. Phone Walnut 1056.
J. E. HALSEY, 1912 Grand Ave., Des Moines.
M. W. BONEY, Box 740, Storm Lake, Iowa; Phone 970-R.

We publish the FIRST and THIRD Saturday of each month. Copy for livestock advertising must reach our office FIFTEEN days before date of issue.

Around the Farm AND IN THE Feed Lot

by HOWARD MARSHALL

NATIONAL FIRE PREVENTION week is October 3-9, and the National Board of Fire Underwriters urges farmers to use greater caution during the fall months. Rural area fires take an annual toll of 3,500 lives, and during 1947 rural fires caused damage of over 100 million dollars to farm property. The unfortunate thing is that over one-third of those fires could have been prevented by the proper installation of lightning rods on every farm building.

MOST MAJOR FARM EVENTS, such as soil conservation field days and fairs, are over, and farmers will have the fall and winter months to plan how they may effectively put some new methods to work on their farms. However, the Waterloo Dairy Cattle Congress is in progress now, and a lot of farm families are making plans to attend the International Livestock Show later on this year. Probably the most unusual county fair in the nation was the one held in the heart of New York City. Rockefeller Center was the scene of the first agricultural fair in that city in the past 51 years. Perhaps it is another indication of how the entire American way of life revolves around our great agricultural heritage.

HOGGING DOWN corn is starting, and proves satisfactory in most cases, but adequate housing is still necessary, and Walnut Grove Minerals should be used in the feeding plan. Madison county Walnut Grove feeders include Floyd Swaab, Clive Harrell, Dean, Lyle and Dwight Hart, Ronald Johnson and Harry Oglebee. These men are serviced by C. O. Beverlin, Winterset, our representative in that area.

SOMEONE has gone to a lot of work to figure this out, and we want to pass it along for what it is worth. They say the average farmer driving a tractor gets something like 3,000 bumps and jolts every hour. Also that some farmers spend from 500 to 1,000 hours on a tractor, and that all adds up to a lot of punishment for the human body. Several companies have taken their cue from this report, and are manufacturing tractor seats with double shock absorbers. Sounds pretty good, and maybe when we cross the corn for the second time next summer we'll think about it again.

ACCORDING to Iowa Crop and Livestock Reporting Service, the lag in pork production is already being remedied to a certain extent. They say there was an increase of 4 per cent in farrowings during the late summer months. At the same time, the United States Department of Agriculture swine experts are predicting a 10 per cent increase in spring pig farrowings. Evidently, a lot of farmers want to get in on the relatively good hog prices and low corn prices for a little extra profit.

EXTREME CAUTION should be taken in the feeding of new corn. Don't overfeed. And be sure you have a good mineral like Walnut Grove before the pigs at all times. Men in Crawford county, Iowa, along with many others, include Wilbur Harm, Ed Sonnickson, Nohna Pithman, Louis Gering, William Hoffmier, Hans Boger and Wm. Claussen. Our representative in that territory is Perry Brogden, of Crawford.

WALNUT GROVE Products Company has some open territory for good, reliable men with livestock experience, who can devote full time to selling and servicing Walnut Grove products. Men who handle our business in regular territories find the work profitable and enjoyable. Pretty largely, it's a case of working with their neighbors and helping them with questions and problems in their livestock programs. Anyone who is interested in working with us is urged to write to the Walnut Grove Products Company, Atlantic, Iowa, giving particulars as to their age, qualifications, etc.

ALMOST EVERY agricultural authority in the nation has pointed out that farmers in this country are facing probably the most serious grain storage situation in history. In Iowa, the PMA set up five district meetings to demonstrate to farmers how they can find added storage space. If excess corn is dumped on the market, there is no telling what might happen to prices. However, with good storage, farmers will be oble to obtain loans that will insure at least support level prices.

SPEAKING OF CORN, a lot of people are bothered with the kind that appears on feet. An official of the New York State Health Department says the popular notion of aching corns meaning rainy weather is scientifically true. He says that when the normal air balance changes, such as when rain is coming, the nerves around a corn are affected and cause pain and discomfort. So when your corns start acting up, you'd better take a raincoat with you when you go out.

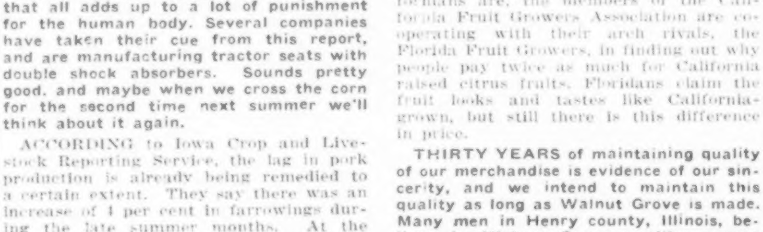
THIS IS THE TIME of year when flu in hogs becomes quite common and oftentimes, in spite of care, attention and sanitation, it will hit a herd of hogs. Even if death loss is low, there usually is a heavy loss of weight. Walnut Grove Minerals can play an important part in keeping hogs thrifty at any time of the year. In Fayette county, Iowa, Charles Logan, Harold Telling, Lawrence McCue, Aaron Raher, W. T. Cushion and Mark Riddenour are among Walnut Grove feeders in the area handled by William Ponsar, of Maynard, who use Walnut Grove all through the year.

IT'S STRANGE how we Americans develop great loyalty to one of the 48 states. Iowans are nearly "bustin'" their buttons over a recent announcement that their farmers led the nation last year both in production of meat animals and in output of dressed meat. However, as loyal to their great state as many Californians are, the members of the California Fruit Growers Association are cooperating with their arch rivals, the Florida Fruit Growers, in finding out why people pay twice as much for California raised citrus fruits. Floridans claim the fruit looks and tastes like California-grown, but still there is this difference in price.

THIRTY YEARS of maintaining quality of our merchandise is evidence of our sincerity, and we intend to maintain this quality as long as Walnut Grove is made. Many men in Henry county, Illinois, believe in Walnut Grove quality, among them Carl Swanson, Morris Gernear, Lyle Mandle, Henry Pritchard, Albert Magercurth, Charles Buick, August Leonard and Floyd Nelson & Sons. Henry Wiesjahn, of Geneseo, Ill., handles Walnut Grove products and services in that territory.

THE NATION'S multi-million-dollar poultry industry recently was awarded a rare honor. The Postmaster-General issued a special stamp to commemorate the centennial of the poultry industry. On the stamp is a picture of a relatively little known breed, the Brahma. It seems that 100 years ago, when the first major poultry show was held in Boston, some large, fancy Asiatic fowls, among them the Brahmas, stole the show. A sea captain entered the birds, and they created a lot of interest in poultry shows, and thus were selected for the stamp picture.

THERE PROBABLY isn't a person in this country who hasn't complained about high prices. But the high cost of living is also being felt overseas. The official food price index in France recently advanced 9½ per cent in a single month, and the general index of all commodities went up 5 per cent. However, some meat-hungry Americans near the Canadian border found they could cross the boder, buy beef steak, pay the three cents a pound tariff and still have cheaper meat than they could buy in America.



Coming Livestock Sales

(CONTINUED)

HAMPSHIRES

Oct. 5—Night Sale. Elmus R. Brenneman, Wayland, Iowa.
Oct. 7—O. W. Jones & Son, Ute, Iowa.
Oct. 7—Night Sale. Allen Lang & Son, Brooklyn, Iowa.
Oct. 11—Night Sale. Frantz Bros., Grand Junction, Iowa.
Oct. 12—Dale McGraw, Pleasantville, Iowa.
Oct. 13—George Lorenz, Wells, Minn.; Night Sale at Blue Earth, Minn.
Oct. 15—Night Sale. North Iowa Hampshire Breeders, Mason City, Iowa; Gilbert Behn, Mgr., Chapin, Iowa.
Oct. 16—Night Sale. Orben Schoff, Lost Nation, Iowa.
Oct. 18—W. W. Hodgen, Kingsley, Iowa; sale at Sioux City, Iowa.
Nov. 1—Night Sale. Matt Locatis & Sons, Fort Dodge, Iowa.
Nov. 3—Iowa Hampshire Breeders Assn., Spencer, Iowa; Wallace Lang, Secy., Brooklyn, Iowa.
Nov. 4—Night Sale. Maurice Weitz, Webster City, Iowa.

HEREFORD HOGS

Oct. 13—Iowa Hereford Breeders Assn., Colfax, Iowa; Harris Sellers, Jr., Secy., Chariton, Iowa.

O. I. C. HOGS

Oct. 9—Missouri State O. I. C. Boar and Gilt Sale, Boonville, Mo.; Donald J. Bowman, Hamilton, Mo., Sale Mgr.

MINNESOTA NO. 1 HOGS

Oct. 7—L. E. Dailey & Son, Pipestone, Iowa.

POLAND CHINAS

Oct. 5—C. W. Crees, Bayard, Iowa.
Oct. 5—Night Sale. Lakeside Farm, Eugene Dugan, Storm Lake, Iowa.
Oct. 12—Oscar D. Larson, Clarion, Iowa.
Oct. 12—F. L. McKay, Ida Grove, Iowa.
Oct. 13—Emmert Farm, Mason City, Iowa.
Oct. 13—Night Sale. Brown & Brown, Hampton, Iowa.
Oct. 14—Helgens Bros., Monticello, Iowa.
Oct. 14—B. F. Anderson & Son, Botna, Iowa; sale at Manning, Iowa.
Oct. 16—Night Sale. Joe H. Saunders, Ogden, Ia.
Oct. 19—Chas. Vander Beek, New Sharon, Iowa; night sale at Oskaloosa, Iowa.
Oct. 20—Night Sale. Wm. Fudge and T. J. Ehrman, Atlantic, Iowa.
Oct. 21—Night Sale. Vernon Kvale, Beaver Creek, Minn.
Oct. 23—Night Sale. John Sorg & Sons, Dolliver, Iowa.
Oct. 25—Night Sale, at Algona, Iowa. Louis J. Reilly, Lone Rock, Iowa.

SPOTTED POLAND CHINAS

Oct. 2—Night Sale. Jack Zimmerman, Earling, Iowa.
Oct. 2—Miles M. Mann & Son, Woodbine, Iowa.
Oct. 4—John Claussen & Son, Davenport, Iowa.
Oct. 4—Julius F. Roths, Rock Rapids, Iowa.
Oct. 5—R. V. Bunting & Son, Corning, Iowa.
Oct. 6—Earl Kellogg & Sons, Winfield, Iowa.
Oct. 7—Arnold Krahmer, Fairmont, Minn.
Oct. 7—Lyle Stoaks, Conway, Iowa; sale at Lenox, Iowa.
Oct. 8—Karl E. Carlson, Lakefield, Minn.; sale at Spencer, Iowa.
Oct. 8—Night Sale. Fred F. Goodchild & Sons, Mallard, Iowa.
Oct. 9—Ray Hanes, Oelwein, Iowa.
Oct. 9—Albert Kremer, Lake Lillian, Minn.
Oct. 11—Donald Donohue, Stanton, Iowa; sale at Red Oak, Iowa.
Oct. 12—Night Sale. Gerrit J. Kempers & Son, Hull, Iowa.
Oct. 13—A. J. Anderson & Sons, Kellogg, Iowa.
Oct. 13—Night Sale. Walter Woodyard & Son, Indianola, Iowa.
Oct. 14—Night Sale. Luther Goldberg, Essex, Iowa.
Oct. 14—I. C. Lister, Bloomfield, Iowa.
Oct. 16—Night Sale. Bob Walters, Eldora, Iowa.
Oct. 19—Night Sale. Forest Jackson & Sons, Lytton, Iowa; sale at Sac City, Iowa.
Oct. 19—Ben C. & Maurice R. Fitzer, Luverne, Minn.
Oct. 20—Walter Wellhoefer, Stratford, Wis. Night Sale at Algona, Iowa.
Oct. 22—Norris Voge, Neola, Iowa; sale at Harlan, Iowa.
Oct. 22—Night Sale. Clifford Pitstick, Jolley, Iowa; sale at Sac City, Iowa.
Oct. 23—Night Sale. E. C. Marty & Sons, Luverne, Iowa.
Oct. 23—Stanley Olson, Waden, Iowa.
Oct. 24—Cecil Wilson, Lenox, Iowa.
Oct. 25—Night Sale. Kenneth R. Dingel, Ocheyedan, Iowa; sale at Sibley, Iowa.
Oct. 26—Carl Hebner, Jefferson, Iowa (sale on farm).
Oct. 26—Homer Wicks, Radcliffe, Iowa.
Oct. 26—Night Sale. Harvey C. Larsen, Elk Horn, Iowa; sale at Harlan, Iowa.
Oct. 27—Night Sale. Alvin Sunderman & Sons, Clarinda, Iowa.
Oct. 29—Spoos & Lein, Graettinger, Iowa.
Oct. 30—A. Lopau & Sons, Pipestone, Minn.; sale at Edgerton, Minn.
Nov. 1—A. B. Nelson and L. M. Stuart, Iowa Falls, Iowa.
Nov. 8—Forest Green, Orient, Iowa.

YORKSHIRES

Oct. 14—Yalehurst Farms, Peoria, Ill.

FEEDER CATTLE

Oct. 4-5-6—Sale at Unionville, Mo.
Oct. 7—Sale at Bethany, Mo.
Oct. 7—Sale at Princeton, Mo.
Oct. 8—Sale at Milan, Mo.

SHEEP

Oct. 18—W. F. Renk, Hampshires and Shropshires, Sun Prairie, Wis.
Dec. 6—International Hampshire Sale, Oskaloosa, Iowa; Roy B. Warrick, Mgr.
Dec. 8—North America Suffolk Sale, Oskaloosa, Iowa; Roy B. Warrick, Mgr.

Livestock News

The Polled Hereford sale of H. V. McLeod, St. Charles, Iowa, which was held at Adel, Iowa, September 14, brought out a good crowd. The bull, Chief President, sold for $550 to Ralph Kay, Minden, Iowa. Domestic Mischief 18th went to Herman Wurster, Clearfield, Iowa, at $540. The top female, Shirley Lass, sold for $530 to Jess Mapes, Luzerne, Iowa. The sale averaged $411. Mr. McLeod had some females, mostly two-year-old heifers, many with calves at foot, which were vaccinated and had not had time to clean up. They were not brought to the sale. Anyone in Iowa can buy them privately at reasonable prices. Write to H. V. McLeod, St. Charles, Iowa.

The Hereford sale of J. E. McBride, Columbus Junction, Iowa, September 21, brought out a large attendance. He presented a fine offering in practical condition. The top was the herd bull, Lot 1, and went for $1,000 to Sam Stiger, of Jameston, Mo. Mac's Domino Lad sold for $550 to Albert Greiner, of Wellman, Iowa. The top female was Lot 18 (and heifer calf), selling at $835 to J. H. Doerfer, Muscatine, Iowa. Mary B. Domino (and heifer calf) sold for $610 to Trussel & Barnes, Reynolds, Ill. The four bulls averaged $634, with 43 females at $468.25, and the 47 lots sold for $22,670, a general average of $482.35. Auctioneer, J. E. Halsey, assisted by Harry Duncan, Paul Klotz and Les Stone.

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